

**Appendix D**  
**Laboratory Analytical Data**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
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**Spokane** East 11115 Montgomery, Suite B, Spokane, WA 99206-4776  
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541.383.9310 fax 541.382.7588  
**Anchorage** 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119  
907.563.9200 fax 907.563.9210

02 October 2005

Stephen Howard  
The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134  
RE: BNSF-Skykomish-1

Enclosed are the results of analyses for samples received by the laboratory on 09/16/05 12:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kortland Orr For Kate Haney  
Project Manager



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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LEV-2-19'	B5I0376-01	Soil	09/09/05 11:18	09/16/05 12:55
LEV-1-18'-19'	B5I0376-02	Soil	09/09/05 15:15	09/16/05 12:55
LEV-3-21'-25'	B5I0376-03	Soil	09/09/05 19:30	09/16/05 12:55
5-B-9-22'	B5I0376-04	Soil	09/10/05 10:50	09/16/05 12:55
5-B-7-20'-25'	B5I0376-05	Soil	09/10/05 13:00	09/16/05 12:55
5-B-8-15'-20'	B5I0376-06	Soil	09/10/05 19:45	09/16/05 12:55
5-B-12-30'-33'	B5I0376-07	Soil	09/11/05 11:40	09/16/05 12:55
5-B-11-15'-20'	B5I0376-08	Soil	09/11/05 13:41	09/16/05 12:55
LEV 5-35'-40'	B5I0376-09	Soil	09/11/05 18:55	09/16/05 12:55
LEV 4-35'-39'	B5I0376-10	Soil	09/12/05 10:35	09/16/05 12:55
RIV 2-0'-1'	B5I0376-11	Soil	09/12/05 14:40	09/16/05 12:55
RIV 3-5'-10'	B5I0376-12	Soil	09/12/05 16:30	09/16/05 12:55
RIV 4-15'-18'	B5I0376-13	Soil	09/12/05 19:45	09/16/05 12:55
RIV-12-3'	B5I0376-14	Soil	09/13/05 16:50	09/16/05 12:55
RIV-12-14'	B5I0376-15	Soil	09/13/05 16:50	09/16/05 12:55
RIV-17-3'	B5I0376-16	Soil	09/14/05 12:15	09/16/05 12:55
RIV-17-13'	B5I0376-17	Soil	09/14/05 12:20	09/16/05 12:55
RIV-5-0'-3'	B5I0376-18	Soil	09/14/05 16:20	09/16/05 12:55
RIV-6-0'-3'	B5I0376-19	Soil	09/14/05 16:25	09/16/05 12:55
RIV-7-0'-5'	B5I0376-20	Soil	09/14/05 16:30	09/16/05 12:55
RIV-8-0'-2'	B5I0376-21	Soil	09/14/05 16:35	09/16/05 12:55
RIV-20-3'	B5I0376-22	Soil	09/14/05 16:35	09/16/05 12:55
RIV-9-0'-5'	B5I0376-23	Soil	09/14/05 16:40	09/16/05 12:55
RIV-10-10'-12'	B5I0376-24	Soil	09/14/05 16:45	09/16/05 12:55
RIV-20-13'	B5I0376-25	Soil	09/14/05 16:45	09/16/05 12:55
RIV-11-5'-10'	B5I0376-26	Soil	09/14/05 18:50	09/16/05 12:55
RIV-12-0'-5'	B5I0376-27	Soil	09/14/05 18:55	09/16/05 12:55
LEV-6-47'	B5I0376-28	Soil	09/14/05 19:00	09/16/05 12:55
RIV-13-3'	B5I0376-29	Soil	09/14/05 20:00	09/16/05 12:55

North Creek Analytical - Bothell

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Kortland Orr For Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
RIV-14-1'	B5I0376-30	Soil	09/14/05 20:05	09/16/05 12:55
RIV-15-1'	B5I0376-31	Soil	09/14/05 20:10	09/16/05 12:55
RIV-16-1'	B5I0376-32	Soil	09/14/05 20:15	09/16/05 12:55
RIV-17-1'	B5I0376-33	Soil	09/14/05 20:20	09/16/05 12:55
RIV-18-1'	B5I0376-34	Soil	09/14/05 20:25	09/16/05 12:55
RIV-19-1'	B5I0376-35	Soil	09/14/05 20:30	09/16/05 12:55
RIV-20-1'	B5I0376-36	Soil	09/14/05 20:40	09/16/05 12:55
LEV8-35'	B5I0376-37	Soil	09/15/05 16:35	09/16/05 12:55
LEV9-23'	B5I0376-38	Soil	09/15/05 19:30	09/16/05 12:55
5-B-11-2'-4'	B5I0376-39	Soil	09/11/05 14:00	09/16/05 12:55
5-B-11-0'-1'	B5I0376-40	Soil	09/11/05 14:16	09/16/05 12:55
LEV 5B-39	B5I0376-41	Soil	09/16/05 10:50	09/16/05 12:55
LEV 5B-43	B5I0376-42	Soil	09/16/05 10:55	09/16/05 12:55

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10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV-2-19' (B5I0376-01) Soil Sampled: 09/09/05 11:18 Received: 09/16/05 12:55</b>										<b>D-15</b>
Diesel Range Hydrocarbons	1430	16.0	100	mg/kg dry	10	5I20017	09/20/05	09/22/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	1770	31.9	250	"	"	"	"	"	"	
Surrogate: 2-FBP	106 %		50-150			"	"	"	"	
Surrogate: Octacosane	106 %		50-150			"	"	"	"	
<b>LEV-1-18'-19' (B5I0376-02) Soil Sampled: 09/09/05 15:15 Received: 09/16/05 12:55</b>										<b>D-15</b>
Diesel Range Hydrocarbons	1740	16.0	100	mg/kg dry	10	5I20017	09/20/05	09/22/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	2010	31.9	250	"	"	"	"	"	"	
Surrogate: 2-FBP	112 %		50-150			"	"	"	"	
Surrogate: Octacosane	113 %		50-150			"	"	"	"	
<b>LEV-3-21'-25' (B5I0376-03) Soil Sampled: 09/09/05 19:30 Received: 09/16/05 12:55</b>										<b>D-15</b>
Diesel Range Hydrocarbons	380	3.20	20.0	mg/kg dry	2	5I20017	09/20/05	09/22/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	475	6.38	50.0	"	"	"	"	"	"	
Surrogate: 2-FBP	80.9 %		50-150			"	"	"	"	
Surrogate: Octacosane	99.8 %		50-150			"	"	"	"	
<b>5-B-9-22' (B5I0376-04) Soil Sampled: 09/10/05 10:50 Received: 09/16/05 12:55</b>										<b>D-15</b>
Diesel Range Hydrocarbons	282	1.60	10.0	mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	366	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	84.1 %		50-150			"	"	"	"	
Surrogate: Octacosane	95.7 %		50-150			"	"	"	"	
<b>5-B-7-20'-25' (B5I0376-05) Soil Sampled: 09/10/05 13:00 Received: 09/16/05 12:55</b>										<b>D-15</b>
Diesel Range Hydrocarbons	383	8.00	50.0	mg/kg dry	5	5I20017	09/20/05	09/24/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	567	16.0	125	"	"	"	"	"	"	
Surrogate: 2-FBP	57.0 %		50-150			"	"	"	"	
Surrogate: Octacosane	102 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>5-B-8-15'-20' (B5I0376-06) Soil Sampled: 09/10/05 19:45 Received: 09/16/05 12:55 D-15</b>										
Diesel Range Hydrocarbons	1550	16.0	100 mg/kg dry	10	5I20017	09/20/05	09/22/05	NWTPH-Dx		
Lube Oil Range Hydrocarbons	2250	31.9	250 "	"	"	"	"	"	"	
Surrogate: 2-FBP	105 %		50-150			"	"	"	"	
Surrogate: Octacosane	111 %		50-150			"	"	"	"	
<b>5-B-12-30'-33' (B5I0376-07) Soil Sampled: 09/11/05 11:40 Received: 09/16/05 12:55 D-15</b>										
Diesel Range Hydrocarbons	36.9	1.60	10.0 mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx		
Lube Oil Range Hydrocarbons	92.6	3.19	25.0 "	"	"	"	"	"	"	
Surrogate: 2-FBP	81.4 %		50-150			"	"	"	"	
Surrogate: Octacosane	99.3 %		50-150			"	"	"	"	
<b>5-B-11-15'-20' (B5I0376-08) Soil Sampled: 09/11/05 13:41 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	3.21	1.60	10.0 mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx		J
Lube Oil Range Hydrocarbons	19.7	3.19	25.0 "	"	"	"	"	"	"	J
Surrogate: 2-FBP	71.2 %		50-150			"	"	"	"	
Surrogate: Octacosane	93.5 %		50-150			"	"	"	"	
<b>LEV 5-35'-40' (B5I0376-09) Soil Sampled: 09/11/05 18:55 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	ND	1.60	10.0 mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx		
Lube Oil Range Hydrocarbons	4.43	3.19	25.0 "	"	"	"	"	"	"	J
Surrogate: 2-FBP	74.2 %		50-150			"	"	"	"	
Surrogate: Octacosane	99.2 %		50-150			"	"	"	"	
<b>LEV 4-35'-39' (B5I0376-10) Soil Sampled: 09/12/05 10:35 Received: 09/16/05 12:55 D-15</b>										
Diesel Range Hydrocarbons	95.9	1.60	10.0 mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx		
Lube Oil Range Hydrocarbons	130	3.19	25.0 "	"	"	"	"	"	"	
Surrogate: 2-FBP	77.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	95.4 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV 2-0'-1' (B5I0376-11) Soil Sampled: 09/12/05 14:40 Received: 09/16/05 12:55 D-15</b>										
<b>Diesel Range Hydrocarbons</b>	<b>201</b>	1.60	10.0	mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>375</b>	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	76.9 %		50-150			"	"	"	"	
Surrogate: Octacosane	95.1 %		50-150			"	"	"	"	
<b>RIV 3-5'-10' (B5I0376-12) Soil Sampled: 09/12/05 16:30 Received: 09/16/05 12:55 D-15</b>										
<b>Diesel Range Hydrocarbons</b>	<b>41.2</b>	1.60	10.0	mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>91.2</b>	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	82.6 %		50-150			"	"	"	"	
Surrogate: Octacosane	101 %		50-150			"	"	"	"	
<b>RIV 4-15'-18' (B5I0376-13) Soil Sampled: 09/12/05 19:45 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	1.60	10.0	mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>5.03</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	78.2 %		50-150			"	"	"	"	
Surrogate: Octacosane	101 %		50-150			"	"	"	"	
<b>RIV-12-3' (B5I0376-14) Soil Sampled: 09/13/05 16:50 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>2.28</b>	1.60	10.0	mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>8.03</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	77.4 %		50-150			"	"	"	"	
Surrogate: Octacosane	99.8 %		50-150			"	"	"	"	
<b>RIV-12-14' (B5I0376-15) Soil Sampled: 09/13/05 16:50 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	1.60	10.0	mg/kg dry	1	5I20017	09/20/05	09/22/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>6.63</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	77.5 %		50-150			"	"	"	"	
Surrogate: Octacosane	98.2 %		50-150			"	"	"	"	

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**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-17-3' (B5I0376-16) Soil Sampled: 09/14/05 12:15 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	93.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	96.6 %		50-150			"	"	"	"	
<b>RIV-17-13' (B5I0376-17) Soil Sampled: 09/14/05 12:20 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	1.96	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
Lube Oil Range Hydrocarbons	5.48	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	92.6 %		50-150			"	"	"	"	
Surrogate: Octacosane	93.4 %		50-150			"	"	"	"	
<b>RIV-5-0'-3' (B5I0376-18) Soil Sampled: 09/14/05 16:20 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	2.54	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
Lube Oil Range Hydrocarbons	5.14	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	87.5 %		50-150			"	"	"	"	
Surrogate: Octacosane	92.4 %		50-150			"	"	"	"	
<b>RIV-6-0'-3' (B5I0376-19) Soil Sampled: 09/14/05 16:25 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	92.9 %		50-150			"	"	"	"	
Surrogate: Octacosane	97.3 %		50-150			"	"	"	"	
<b>RIV-7-0'-5' (B5I0376-20) Soil Sampled: 09/14/05 16:30 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	2.43	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
Lube Oil Range Hydrocarbons	7.00	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	95.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	98.9 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-8-0'-2' (B5I0376-21) Soil Sampled: 09/14/05 16:35 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	92.6 %		50-150			"	"	"	"	
Surrogate: Octacosane	94.9 %		50-150			"	"	"	"	
<b>RIV-20-3' (B5I0376-22) Soil Sampled: 09/14/05 16:35 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	5.64	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
Lube Oil Range Hydrocarbons	16.8	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	99.6 %		50-150			"	"	"	"	
Surrogate: Octacosane	99.5 %		50-150			"	"	"	"	
<b>RIV-9-0'-5' (B5I0376-23) Soil Sampled: 09/14/05 16:40 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	3.29	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	92.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	89.5 %		50-150			"	"	"	"	
<b>RIV-10-10'-12' (B5I0376-24) Soil Sampled: 09/14/05 16:45 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	11.1	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	12.4	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	92.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	96.3 %		50-150			"	"	"	"	
<b>RIV-20-13' (B5I0376-25) Soil Sampled: 09/14/05 16:45 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	3.04	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
Lube Oil Range Hydrocarbons	10.7	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	91.2 %		50-150			"	"	"	"	
Surrogate: Octacosane	93.0 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-11-5'-10' (B5I0376-26) Soil Sampled: 09/14/05 18:50 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>3.55</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>5.31</b>	3.19	25.0	"	"	"	"	"	"	J
<i>Surrogate: 2-FBP</i>	92.1 %		50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	89.8 %		50-150			"	"	"	"	
<b>RIV-12-0'-5' (B5I0376-27) Soil Sampled: 09/14/05 18:55 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>5.28</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>6.43</b>	3.19	25.0	"	"	"	"	"	"	J
<i>Surrogate: 2-FBP</i>	89.2 %		50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	92.8 %		50-150			"	"	"	"	
<b>LEV-6-47' (B5I0376-28) Soil Sampled: 09/14/05 19:00 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>8.13</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>9.33</b>	3.19	25.0	"	"	"	"	"	"	J
<i>Surrogate: 2-FBP</i>	86.6 %		50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	87.6 %		50-150			"	"	"	"	
<b>RIV-13-3' (B5I0376-29) Soil Sampled: 09/14/05 20:00 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>1.76</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	3.19	25.0	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	95.4 %		50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	95.3 %		50-150			"	"	"	"	
<b>RIV-14-1' (B5I0376-30) Soil Sampled: 09/14/05 20:05 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>2.23</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>7.18</b>	3.19	25.0	"	"	"	"	"	"	J
<i>Surrogate: 2-FBP</i>	91.8 %		50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	90.2 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-15-1' (B5I0376-31) Soil Sampled: 09/14/05 20:10 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>4.10</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>16.8</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	92.4 %		50-150			"	"	"	"	
Surrogate: Octacosane	94.1 %		50-150			"	"	"	"	
<b>RIV-16-1' (B5I0376-32) Soil Sampled: 09/14/05 20:15 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>1.85</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>4.27</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	92.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	90.6 %		50-150			"	"	"	"	
<b>RIV-17-1' (B5I0376-33) Soil Sampled: 09/14/05 20:20 Received: 09/16/05 12:55</b>										
Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	95.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	92.0 %		50-150			"	"	"	"	
<b>RIV-18-1' (B5I0376-34) Soil Sampled: 09/14/05 20:25 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>2.88</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>7.40</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	90.9 %		50-150			"	"	"	"	
Surrogate: Octacosane	87.5 %		50-150			"	"	"	"	
<b>RIV-19-1' (B5I0376-35) Soil Sampled: 09/14/05 20:30 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>2.03</b>	1.60	10.0	mg/kg dry	1	5I20019	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>5.34</b>	3.19	25.0	"	"	"	"	"	"	J
Surrogate: 2-FBP	93.8 %		50-150			"	"	"	"	
Surrogate: Octacosane	95.6 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish-1  
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Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-20-1' (B5I0376-36) Soil Sampled: 09/14/05 20:40 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>8.04</b>	1.60	10.0	mg/kg dry	1	5I20021	09/20/05	09/23/05	NWTPH-Dx	J
<b>Lube Oil Range Hydrocarbons</b>	<b>35.4</b>	3.19	25.0	"	"	"	"	"	"	D-06
Surrogate: 2-FBP	79.2 %		50-150			"	"	"	"	
Surrogate: Octacosane	95.3 %		50-150			"	"	"	"	
<b>LEV8-35' (B5I0376-37) Soil Sampled: 09/15/05 16:35 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>311</b>	3.20	20.0	mg/kg dry	2	5I20021	09/20/05	09/24/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>386</b>	6.38	50.0	"	"	"	"	"	"	
Surrogate: 2-FBP	81.0 %		50-150			"	"	"	"	
Surrogate: Octacosane	96.6 %		50-150			"	"	"	"	
<b>LEV9-23' (B5I0376-38) Soil Sampled: 09/15/05 19:30 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>367</b>	3.20	20.0	mg/kg dry	2	5I20021	09/20/05	09/24/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>487</b>	6.38	50.0	"	"	"	"	"	"	
Surrogate: 2-FBP	87.0 %		50-150			"	"	"	"	
Surrogate: Octacosane	101 %		50-150			"	"	"	"	
<b>5-B-11-2'-4' (B5I0376-39) Soil Sampled: 09/11/05 14:00 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>15.7</b>	1.60	10.0	mg/kg dry	1	5I20021	09/20/05	09/23/05	NWTPH-Dx	D-09
<b>Lube Oil Range Hydrocarbons</b>	<b>62.9</b>	3.19	25.0	"	"	"	"	"	"	D-06
Surrogate: 2-FBP	75.7 %		50-150			"	"	"	"	
Surrogate: Octacosane	82.8 %		50-150			"	"	"	"	
<b>5-B-11-0'-1' (B5I0376-40) Soil Sampled: 09/11/05 14:16 Received: 09/16/05 12:55</b>										
<b>Diesel Range Hydrocarbons</b>	<b>10.9</b>	1.60	10.0	mg/kg dry	1	5I20021	09/20/05	09/23/05	NWTPH-Dx	D-09
<b>Lube Oil Range Hydrocarbons</b>	<b>86.8</b>	3.19	25.0	"	"	"	"	"	"	D-06
Surrogate: 2-FBP	82.4 %		50-150			"	"	"	"	
Surrogate: Octacosane	93.0 %		50-150			"	"	"	"	

North Creek Analytical - Bothell

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**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
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Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV 5B-39 (B5I0376-41) Soil</b>										<b>D-15</b>
Sampled: 09/16/05 10:50 Received: 09/16/05 12:55										
<b>Diesel Range Hydrocarbons</b>	<b>186</b>	1.60	10.0	mg/kg dry	1	5I20021	09/20/05	09/23/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>234</b>	3.19	25.0	"	"	"	"	"	"	
Surrogate: 2-FBP	84.5 %		50-150			"	"	"	"	
Surrogate: Octacosane	98.3 %		50-150			"	"	"	"	
<b>LEV 5B-43 (B5I0376-42) Soil</b>										<b>D-15</b>
Sampled: 09/16/05 10:55 Received: 09/16/05 12:55										
<b>Diesel Range Hydrocarbons</b>	<b>961</b>	8.00	50.0	mg/kg dry	5	5I20021	09/20/05	09/24/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>1160</b>	16.0	125	"	"	"	"	"	"	
Surrogate: 2-FBP	93.3 %		50-150			"	"	"	"	
Surrogate: Octacosane	103 %		50-150			"	"	"	"	

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Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

**Total Metals by EPA 6000/7000 Series Methods  
North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>5-B-11-2'-4' (B5I0376-39) Soil    Sampled: 09/11/05 14:00    Received: 09/16/05 12:55</b>										
<b>Lead</b>	<b>41.9</b>	0.0260	0.500	mg/kg dry	1	5I20047	09/20/05	09/21/05	EPA 6020	
<b>5-B-11-0'-1' (B5I0376-40) Soil    Sampled: 09/11/05 14:16    Received: 09/16/05 12:55</b>										
<b>Lead</b>	<b>103</b>	0.0260	0.500	mg/kg dry	1	5I20047	09/20/05	09/21/05	EPA 6020	

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

### Conventional Chemistry Parameters by APHA/EPA Methods North Creek Analytical - Bothell

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-12-3' (B5I0376-14) Soil Sampled: 09/13/05 16:50 Received: 09/16/05 12:55</b>										
Total Organic Carbon - Average	2280		500	mg/kg dry	1	5I26053	09/19/05	09/23/05	PA 9060 mod	
Total Organic Carbon - High	2430		500	"	"	"	"	"	"	
Total Organic Carbon - Low	2110		500	"	"	"	"	"	"	
<b>RIV-12-14' (B5I0376-15) Soil Sampled: 09/13/05 16:50 Received: 09/16/05 12:55</b>										
Total Organic Carbon - Average	3660		500	mg/kg dry	1	5I26053	09/19/05	09/23/05	PA 9060 mod	
Total Organic Carbon - High	3800		500	"	"	"	"	"	"	
Total Organic Carbon - Low	3550		500	"	"	"	"	"	"	
<b>RIV-17-3' (B5I0376-16) Soil Sampled: 09/14/05 12:15 Received: 09/16/05 12:55</b>										
Total Organic Carbon - Average	2100		500	mg/kg dry	1	5I26053	09/19/05	09/23/05	PA 9060 mod	
Total Organic Carbon - High	3190		500	"	"	"	"	"	"	
Total Organic Carbon - Low	1560		500	"	"	"	"	"	"	
<b>RIV-17-13' (B5I0376-17) Soil Sampled: 09/14/05 12:20 Received: 09/16/05 12:55</b>										
Total Organic Carbon - Average	4380		500	mg/kg dry	1	5I29044	09/20/05	09/29/05	PA 9060 mod	
Total Organic Carbon - High	4780		500	"	"	"	"	"	"	
Total Organic Carbon - Low	4010		500	"	"	"	"	"	"	
<b>RIV-20-3' (B5I0376-22) Soil Sampled: 09/14/05 16:35 Received: 09/16/05 12:55</b>										
Total Organic Carbon - Average	2800		500	mg/kg dry	1	5I29044	09/20/05	09/29/05	PA 9060 mod	
Total Organic Carbon - High	3450		500	"	"	"	"	"	"	
Total Organic Carbon - Low	2350		500	"	"	"	"	"	"	
<b>RIV-20-13' (B5I0376-25) Soil Sampled: 09/14/05 16:45 Received: 09/16/05 12:55</b>										
Total Organic Carbon - Average	5490		500	mg/kg dry	1	5I29044	09/20/05	09/29/05	PA 9060 mod	
Total Organic Carbon - High	5930		500	"	"	"	"	"	"	
Total Organic Carbon - Low	5140		500	"	"	"	"	"	"	

North Creek Analytical - Bothell

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV-2-19' (B5I0376-01) Soil Sampled: 09/09/05 11:18 Received: 09/16/05 12:55</b>										
Dry Weight	87.1		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>LEV-1-18'-19' (B5I0376-02) Soil Sampled: 09/09/05 15:15 Received: 09/16/05 12:55</b>										
Dry Weight	90.9		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>LEV-3-21'-25' (B5I0376-03) Soil Sampled: 09/09/05 19:30 Received: 09/16/05 12:55</b>										
Dry Weight	87.2		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-9-22' (B5I0376-04) Soil Sampled: 09/10/05 10:50 Received: 09/16/05 12:55</b>										
Dry Weight	82.7		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-7-20'-25' (B5I0376-05) Soil Sampled: 09/10/05 13:00 Received: 09/16/05 12:55</b>										
Dry Weight	91.6		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-8-15'-20' (B5I0376-06) Soil Sampled: 09/10/05 19:45 Received: 09/16/05 12:55</b>										
Dry Weight	94.3		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-12-30'-33' (B5I0376-07) Soil Sampled: 09/11/05 11:40 Received: 09/16/05 12:55</b>										
Dry Weight	94.0		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-11-15'-20' (B5I0376-08) Soil Sampled: 09/11/05 13:41 Received: 09/16/05 12:55</b>										
Dry Weight	84.3		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>LEV 5-35'-40' (B5I0376-09) Soil Sampled: 09/11/05 18:55 Received: 09/16/05 12:55</b>										
Dry Weight	94.1		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	

North Creek Analytical - Bothell

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The RETEC Group, Inc.  
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Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV 4-35'-39' (B5I0376-10) Soil Sampled: 09/12/05 10:35 Received: 09/16/05 12:55</b>										
Dry Weight	92.7		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV 2-0'-1' (B5I0376-11) Soil Sampled: 09/12/05 14:40 Received: 09/16/05 12:55</b>										
Dry Weight	79.9		1.00	%	1	5I22046	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV 3-5'-10' (B5I0376-12) Soil Sampled: 09/12/05 16:30 Received: 09/16/05 12:55</b>										
Dry Weight	86.1		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV 4-15'-18' (B5I0376-13) Soil Sampled: 09/12/05 19:45 Received: 09/16/05 12:55</b>										
Dry Weight	92.3		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-12-3' (B5I0376-14) Soil Sampled: 09/13/05 16:50 Received: 09/16/05 12:55</b>										
Dry Weight	92.0		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-12-14' (B5I0376-15) Soil Sampled: 09/13/05 16:50 Received: 09/16/05 12:55</b>										
Dry Weight	73.9		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-17-3' (B5I0376-16) Soil Sampled: 09/14/05 12:15 Received: 09/16/05 12:55</b>										
Dry Weight	90.3		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-17-13' (B5I0376-17) Soil Sampled: 09/14/05 12:20 Received: 09/16/05 12:55</b>										
Dry Weight	68.6		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-5-0'-3' (B5I0376-18) Soil Sampled: 09/14/05 16:20 Received: 09/16/05 12:55</b>										
Dry Weight	91.2		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>RIV-6-0'-3' (B5I0376-19) Soil    Sampled: 09/14/05 16:25    Received: 09/16/05 12:55</b>										
Dry Weight	85.4		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-7-0'-5' (B5I0376-20) Soil    Sampled: 09/14/05 16:30    Received: 09/16/05 12:55</b>										
Dry Weight	91.8		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-8-0'-2' (B5I0376-21) Soil    Sampled: 09/14/05 16:35    Received: 09/16/05 12:55</b>										
Dry Weight	89.2		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-20-3' (B5I0376-22) Soil    Sampled: 09/14/05 16:35    Received: 09/16/05 12:55</b>										
Dry Weight	88.6		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-9-0'-5' (B5I0376-23) Soil    Sampled: 09/14/05 16:40    Received: 09/16/05 12:55</b>										
Dry Weight	84.5		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-10-10'-12' (B5I0376-24) Soil    Sampled: 09/14/05 16:45    Received: 09/16/05 12:55</b>										
Dry Weight	76.3		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-20-13' (B5I0376-25) Soil    Sampled: 09/14/05 16:45    Received: 09/16/05 12:55</b>										
Dry Weight	72.3		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-11-5'-10' (B5I0376-26) Soil    Sampled: 09/14/05 18:50    Received: 09/16/05 12:55</b>										
Dry Weight	89.4		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-12-0'-5' (B5I0376-27) Soil    Sampled: 09/14/05 18:55    Received: 09/16/05 12:55</b>										
Dry Weight	94.0		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV-6-47' (B5I0376-28) Soil Sampled: 09/14/05 19:00 Received: 09/16/05 12:55</b>										
Dry Weight	89.2		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-13-3' (B5I0376-29) Soil Sampled: 09/14/05 20:00 Received: 09/16/05 12:55</b>										
Dry Weight	91.9		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-14-1' (B5I0376-30) Soil Sampled: 09/14/05 20:05 Received: 09/16/05 12:55</b>										
Dry Weight	90.2		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-15-1' (B5I0376-31) Soil Sampled: 09/14/05 20:10 Received: 09/16/05 12:55</b>										
Dry Weight	90.7		1.00	%	1	5I22047	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-16-1' (B5I0376-32) Soil Sampled: 09/14/05 20:15 Received: 09/16/05 12:55</b>										
Dry Weight	92.0		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-17-1' (B5I0376-33) Soil Sampled: 09/14/05 20:20 Received: 09/16/05 12:55</b>										
Dry Weight	93.3		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-18-1' (B5I0376-34) Soil Sampled: 09/14/05 20:25 Received: 09/16/05 12:55</b>										
Dry Weight	89.8		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-19-1' (B5I0376-35) Soil Sampled: 09/14/05 20:30 Received: 09/16/05 12:55</b>										
Dry Weight	91.1		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>RIV-20-1' (B5I0376-36) Soil Sampled: 09/14/05 20:40 Received: 09/16/05 12:55</b>										
Dry Weight	79.4		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	

North Creek Analytical - Bothell

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**Reported:**  
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### Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8-35' (B5I0376-37) Soil Sampled: 09/15/05 16:35 Received: 09/16/05 12:55</b>										
Dry Weight	82.4		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>LEV9-23' (B5I0376-38) Soil Sampled: 09/15/05 19:30 Received: 09/16/05 12:55</b>										
Dry Weight	86.5		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-11-2'-4' (B5I0376-39) Soil Sampled: 09/11/05 14:00 Received: 09/16/05 12:55</b>										
Dry Weight	76.9		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>5-B-11-0'-1' (B5I0376-40) Soil Sampled: 09/11/05 14:16 Received: 09/16/05 12:55</b>										
Dry Weight	93.1		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>LEV 5B-39 (B5I0376-41) Soil Sampled: 09/16/05 10:50 Received: 09/16/05 12:55</b>										
Dry Weight	86.0		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	
<b>LEV 5B-43 (B5I0376-42) Soil Sampled: 09/16/05 10:55 Received: 09/16/05 12:55</b>										
Dry Weight	84.7		1.00	%	1	5I22048	09/22/05	09/23/05	SOPSPL003R1	

North Creek Analytical - Bothell

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Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5I20017: Prepared 09/20/05 Using EPA 3550B**

**Blank (5I20017-BLK1)**

Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg						
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"						
Surrogate: 2-FBP	6.60			"	8.33		79.2 %	50-150		
Surrogate: Octacosane	8.27			"	8.33		99.3 %	50-150		

**LCS (5I20017-BS1)**

Diesel Range Hydrocarbons	59.8	1.60	10.0	mg/kg	66.7		89.7	71-120		
Surrogate: 2-FBP	6.95			"	8.33		83.4 %	50-150		

**LCS Dup (5I20017-BSD1)**

Diesel Range Hydrocarbons	59.0	1.60	10.0	mg/kg	66.7		88.5	71-120	1.35	40
Surrogate: 2-FBP	7.05			"	8.33		84.6 %	50-150		

**Duplicate (5I20017-DUP1)**

Source: B510374-01

Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry		ND			NA	40
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"		ND			NA	40
Surrogate: 2-FBP	9.29			"	12.2		76.1 %	50-150		
Surrogate: Octacosane	11.6			"	12.2		95.1 %	50-150		

**Batch 5I20019: Prepared 09/20/05 Using EPA 3550B**

**Blank (5I20019-BLK1)**

Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg						
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"						
Surrogate: 2-FBP	7.28			"	8.33		87.4 %	50-150		
Surrogate: Octacosane	7.28			"	8.33		87.4 %	50-150		

North Creek Analytical - Bothell

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Kortland Orr For Kate Haney, Project Manager

North Creek Analytical, Inc.  
Environmental Laboratory Network

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**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
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**Anchorage** 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119  
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The RETEC Group, Inc.  
 1011 SW Klickitat Way, Suite 207  
 Seattle, WA 98134

Project: BNSF-Skykomish-1  
 Project Number: BN050-16423-522  
 Project Manager: Stephen Howard

**Reported:**  
 10/02/05 15:29

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control

### North Creek Analytical - Bothell

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 5I20019: Prepared 09/20/05 Using EPA 3550B

##### LCS (5I20019-BS1)

Diesel Range Hydrocarbons	59.0	1.60	10.0	mg/kg	66.7		88.5	71-120			
Surrogate: 2-FBP	8.00			"	8.33		96.0 %	50-150			

##### LCS Dup (5I20019-BSD1)

Diesel Range Hydrocarbons	57.8	1.60	10.0	mg/kg	66.7		86.7	71-120	2.05	40	
Surrogate: 2-FBP	7.91			"	8.33		95.0 %	50-150			

##### Duplicate (5I20019-DUP1)

Source: B5I0376-16

Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg dry		ND			NA	40	
Lube Oil Range Hydrocarbons	3.69	3.19	25.0	"		ND				40	J
Surrogate: 2-FBP	8.12			"	9.23		88.0 %	50-150			
Surrogate: Octacosane	8.26			"	9.23		89.5 %	50-150			

#### Batch 5I20021: Prepared 09/20/05 Using EPA 3550B

##### Blank (5I20021-BLK1)

Diesel Range Hydrocarbons	ND	1.60	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	3.19	25.0	"							
Surrogate: 2-FBP	6.49			"	8.33		77.9 %	50-150			
Surrogate: Octacosane	8.76			"	8.33		105 %	50-150			

##### LCS (5I20021-BS1)

Diesel Range Hydrocarbons	77.4	1.60	10.0	mg/kg	66.7		116	71-120			
Surrogate: 2-FBP	9.39			"	8.33		113 %	50-150			

##### LCS Dup (5I20021-BSD1)

Diesel Range Hydrocarbons	68.4	1.60	10.0	mg/kg	66.7		103	71-120	12.3	40	
Surrogate: 2-FBP	8.42			"	8.33		101 %	50-150			

North Creek Analytical - Bothell

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 Environmental Laboratory Network

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5120021: Prepared 09/20/05 Using EPA 3550B**

**Duplicate (5120021-DUP1)**

**Source: B510376-36**

Diesel Range Hydrocarbons	5.49	1.60	10.0 mg/kg dry			8.04		37.7	40	J
Lube Oil Range Hydrocarbons	27.3	3.19	25.0	"		35.4		25.8	40	
Surrogate: 2-FBP	7.72			"	10.3		75.0 % 50-150			
Surrogate: Octacosane	9.38			"	10.3		91.1 % 50-150			

North Creek Analytical - Bothell

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Total Metals by EPA 6000/7000 Series Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
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**Batch 5I20047: Prepared 09/20/05 Using EPA 3050B**

**Blank (5I20047-BLK1)**

Lead	ND	0.0260	0.500	mg/kg
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**LCS (5I20047-BS1)**

Lead	38.3	0.0260	0.500	mg/kg	39.2	97.7	80-120
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**LCS Dup (5I20047-BSD1)**

Lead	35.9	0.0260	0.500	mg/kg	37.7	95.2	80-120	6.47	20
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**Matrix Spike (5I20047-MS1)**

**Source: B5I0423-01**

Lead	33.3	0.0211	0.407	mg/kg dry	33.8	1.41	94.3	29-162
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**Matrix Spike Dup (5I20047-MSD1)**

**Source: B5I0423-01**

Lead	38.2	0.0260	0.500	mg/kg dry	39.6	1.41	92.9	29-162	13.7	30
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**Post Spike (5I20047-PS1)**

**Source: B5I0423-01**

Lead	0.0955			ug/ml	0.100	0.00269	92.8	75-125
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North Creek Analytical - Bothell

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch 5126053: Prepared 09/23/05 Using General Preparation**

**Blank (5126053-BLK1)**

Total Organic Carbon - Average	ND	500	mg/kg
Total Organic Carbon - High	ND	500	"
Total Organic Carbon - Low	ND	500	"

**LCS (5126053-BS1)**

Total Organic Carbon - Average	33600	500	mg/kg	29900	112	70-130
Total Organic Carbon - High	36000	500	"	29900	120	70-130
Total Organic Carbon - Low	33700	500	"	29900	113	70-130

**LCS Dup (5126053-BSD1)**

Total Organic Carbon - Average	31400	500	mg/kg	29900	105	70-130	6.77	30
Total Organic Carbon - High	32900	500	"	29900	110	70-130	9.00	30
Total Organic Carbon - Low	29000	500	"	29900	97.0	70-130	15.0	30

**Duplicate (5126053-DUP1)**

**Source: B510276-01**

Total Organic Carbon - Average	7650	500	mg/kg dry	9580	22.4	200
Total Organic Carbon - High	8650	500	"	11000	23.9	200
Total Organic Carbon - Low	6890	500	"	7830	12.8	200

**Matrix Spike (5126053-MS1)**

**Source: B510376-16**

Total Organic Carbon - Average	3130	500	mg/kg dry	1500	2100	68.7	70-130	Q-14
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**Batch 5129044: Prepared 09/29/05 Using General Preparation**

**Blank (5129044-BLK1)**

Total Organic Carbon - Average	ND	500	mg/kg
Total Organic Carbon - High	ND	500	"
Total Organic Carbon - Low	ND	500	"

North Creek Analytical - Bothell

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Kortland Orr For Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

Reported:  
10/02/05 15:29

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch 5129044: Prepared 08/18/05 Using General Preparation**

**LCS (5129044-BS1)**

Total Organic Carbon - Average	34100		500	mg/kg	29900		114	70-130		
Total Organic Carbon - High	35400		500	"	29900		118	70-130		
Total Organic Carbon - Low	33200		500	"	29900		111	70-130		

**LCS Dup (5129044-BSD1)**

Total Organic Carbon - Average	32000		500	mg/kg	29900		107	70-130	6.35	30
Total Organic Carbon - High	32800		500	"	29900		110	70-130	7.62	30
Total Organic Carbon - Low	30800		500	"	29900		103	70-130	7.50	30

**Duplicate (5129044-DUP1)**

**Source: B5I0376-17**

Total Organic Carbon - Average	4080		500	mg/kg dry		4380			7.09	200
Total Organic Carbon - High	4200		500	"		4780			12.9	200
Total Organic Carbon - Low	3920		500	"		4010			2.27	200

**Matrix Spike (5129044-MS1)**

**Source: B5I0376-22**

Total Organic Carbon - Average	4160		500	mg/kg dry	1870	2800	72.7	70-130		
--------------------------------	------	--	-----	-----------	------	------	------	--------	--	--

North Creek Analytical - Bothell

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5I22046: Prepared 09/22/05 Using Dry Weight**

**Blank (5I22046-BLK1)**

Dry Weight	99.8		1.00	%
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**Batch 5I22047: Prepared 09/22/05 Using Dry Weight**

**Blank (5I22047-BLK1)**

Dry Weight	100		1.00	%
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**Batch 5I22048: Prepared 09/22/05 Using Dry Weight**

**Blank (5I22048-BLK1)**

Dry Weight	99.8		1.00	%
------------	------	--	------	---

North Creek Analytical - Bothell

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Kortland Orr For Kate Haney, Project Manager



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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish-1  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
10/02/05 15:29

### Notes and Definitions

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

D-15 Hydrocarbon pattern most closely resembles a heavy fuel oil range hydrocarbon product.

J Estimated value.

Q-14 Visual examination indicates the RPD and/or matrix spike recovery is outside the control limit due to a non-homogeneous sample matrix.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

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Kortland Orr For Kate Haney, Project Manager

# Chain of Custody Record

Nº 101108

The RETEC Group, Inc.

1011 S.W. Klickitat Way, Suite 207 • Seattle, WA 98134-1162

(206) 624-9349 Phone • (206) 624-2839 Fax

www.retec.com



Project Name: <u>SkyKomish</u>		Project Number: <u>BN050-16423-522</u>		Analysis Requested <b>NW TPH DX</b>										Page <u>1</u> of <u>3</u>			
Send Report To: <u>Steve Howard</u>		Sampler (Print Name): <u>Jim Schneider</u>												Purchase Order #: _____			
Address: <u>See Above</u>		Sampler (Print Name): <u>Elly Leaverton</u>															
Shipment Method:		Airbill Number:															
Phone: <u>206-624-9349</u>		Laboratory Receiving: <u>NCA</u>															
Fax: <u>206-624-2839</u>																	
Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers											Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)	
LEV-2-19'	9-9	1118	Soil	1	X											B5I0376-01	
LEV-1-18'-19'	9-9	1515			X											02	
LEV-3-21'-25'	9-9	1930			X											03	
S-B-9-22'	9-10	1050			X											04	
S-B-7-20'-25'	9-10	1300			X											05	
S-B-8-15'-20'	9-10	1945			X											06	
S-B-12-30'-33'	9-11	1140			X											07	
S-B-11-15'-20'	9-11	1341			X											08	
LEV 5-35'-40'	9-11	1855			X											09	
LEV 4-35'-39'	9-12	1035			X											10	
RIV 2-0'-1'	9-12	1440			X											11	
RIV 3-5'-10'	9-12	1630			X											12	
RIV 4-15'-18'	9-12	1945			X											13	
RIV-12-3'	9-13	1650			X											14	
RIV-12-14'	9-13	1650			X											15	
RIV-17-3'	9-14	1215			X											16	
RIV-17-13'	9-14	1220			X											17	
Relinquished by: (Signature) <u>E. Leaverton</u>		Received by: (Signature) <u>Kathy Gumbel</u>		Date: <u>9/16/05</u>	Time: <u>12:55</u>		Sample Custodian Remarks (Completed By Laboratory):										
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:		QA/QC Level		Turnaround		Sample Receipt						
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:		Level I <input type="checkbox"/>		Routine <input type="checkbox"/>		Total # Containers Received?						
							Level II <input type="checkbox"/>		24 Hour <input type="checkbox"/>		COC Seals Present?						
							Level III <input type="checkbox"/>		1 Week <input type="checkbox"/>		COC Seals Intact?						
							Other <input type="checkbox"/>		Other _____		Received Containers Intact?						
											Temperature?						

White: Lab Copy

Yellow: PM Copy

Pink: Field Copy

Gold: PM/QA/QC Copy

# Chain of Custody Record

Nº 101109

The RETEC Group, Inc.

1011 S.W. Klickitat Way, Suite 207 • Seattle, WA 98134-1162

(206) 624-9349 Phone • (206) 624-2839 Fax

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Project Name: <b>SKy komish</b>		Project Number: <b>BN050-16423-522</b>		<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); border-left: 1px solid black; padding: 5px;">Analysis Requested</div> <div style="border-left: 1px solid black; padding: 5px; margin-left: 5px;">NW TPH Dx</div> </div>										Page <u>2</u> of <u>3</u>																											
Send Report To: <b>Steve Howard</b>		Sampler (Print Name): <b>Jim Schneider</b>																																							
Address: <b>See Above</b>		Sampler (Print Name): <b>Elly Leaverton</b>																																							
		Shipment Method:																																							
		Airbill Number:																																							
Phone: <b>206-624-9349</b>		Laboratory Receiving: <b>NCA</b>		Purchase Order #: _____																																					
Fax: <b>206-624-2839</b>																																									
Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers											Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)																									
RIV-5-0'-3'	9-14	1620	Soil	1	X												B5I0376-18																								
RIV-6-0'-3'		1625			X												19																								
RIV-7-0'-5'		1630			X												20																								
RIV-8-0'-2'		1635			X												21																								
RIV-20-3'		1635			X												22																								
RIV-9-0'-5'		1640			X												23																								
RIV-10-10'-12'		1645			X												24																								
RIV-20-13'		1645			X												25																								
RIV-11-5'-10'		1850			X												26																								
RIV-12-0'-5'		1855			X												27																								
LEV-6-47'		1900			X												28																								
RIV-13-3'		2000			X												29																								
RIV-14-1'		2005			X												30																								
RIV-15-1'		2010			X												31																								
RIV-16-1'		2015			X												32																								
RIV-17-1'		2020			X												33																								
RIV-18-1'	↓	2025	↓	↓	X												34																								
Relinquished by: (Signature) <i>E Leaverton</i>		Received by: (Signature) <i>Calvin Gumble</i>		Date: <b>9/16</b>	Time: <b>12:55</b>	Sample Custodian Remarks (Completed By Laboratory): <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>QA/QC Level</th> <th>Turnaround</th> <th colspan="2">Sample Receipt</th> </tr> <tr> <td>Level I <input type="checkbox"/></td> <td>Routine <input type="checkbox"/></td> <td>Total # Containers Received?</td> <td></td> </tr> <tr> <td>Level II <input type="checkbox"/></td> <td>24 Hour <input type="checkbox"/></td> <td>COC Seals Present?</td> <td></td> </tr> <tr> <td>Level III <input type="checkbox"/></td> <td>1 Week <input type="checkbox"/></td> <td>COC Seals Intact?</td> <td></td> </tr> <tr> <td>Other <input type="checkbox"/></td> <td>Other _____</td> <td>Received Containers Intact?</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>Temperature?</td> <td></td> </tr> </table>												QA/QC Level	Turnaround	Sample Receipt		Level I <input type="checkbox"/>	Routine <input type="checkbox"/>	Total # Containers Received?		Level II <input type="checkbox"/>	24 Hour <input type="checkbox"/>	COC Seals Present?		Level III <input type="checkbox"/>	1 Week <input type="checkbox"/>	COC Seals Intact?		Other <input type="checkbox"/>	Other _____	Received Containers Intact?				Temperature?	
QA/QC Level	Turnaround	Sample Receipt																																							
Level I <input type="checkbox"/>	Routine <input type="checkbox"/>	Total # Containers Received?																																							
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Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:																																				
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Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:																																				
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:																																				

White: Lab Copy

Yellow: PM Copy

Pink: Field Copy

Gold: PM/QA/QC Copy

# Chain of Custody Record

Nº 101110

The RETEC Group, Inc.

1011 S.W. Klickitat Way, Suite 207 • Seattle, WA 98134-1162

(206) 624-9349 Phone • (206) 624-2839 Fax

www.retec.com



Project Name: <u>Skykomish</u>		Project Number: <u>BN050-16423-522</u>		<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Analysis Requested</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">NW TPH Dx</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Lead</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TOC</div> </div>										Page <u>3</u> of <u>3</u>				
Send Report To: <u>Steve Howard</u>		Sampler (Print Name): <u>Jim Schneider</u>																
Address: <u>See Above</u>		Sampler (Print Name): <u>Elly Leaveron</u>																
		Shipment Method:																
		Airbill Number:																
Phone: <u>206-624-9349</u>		Laboratory Receiving: <u>NCA</u>		Purchase Order #: _____														
Fax: <u>206-624-2839</u>																		
Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers											Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)		
<u>RIV-19-1'</u>	<u>9-14</u>	<u>2030</u>	<u>Soil</u>	<u>1</u>	X													<u>B510376-35</u>
<u>RIV-20-1'</u>	<u>9-14</u>	<u>2040</u>	<u>↓</u>	<u>↓</u>	X													<u>36</u>
<u>LEV8-35'</u>	<u>9-15</u>	<u>1635</u>	<u>↓</u>	<u>↓</u>	X													<u>37</u>
<u>LEV9-23'</u>	<u>9-15</u>	<u>1930</u>	<u>↓</u>	<u>↓</u>	X													<u>38</u>
<u>5-B-11-2'-4'</u>	<u>9-11</u>	<u>1400</u>	<u>Soil</u>	<u>1</u>	X												<u>402 yrs</u>	<u>39</u>
<u>5-B-11-0'-1'</u>	<u>9-11</u>	<u>1416</u>	<u>↓</u>	<u>↓</u>	X													<u>40</u>
<u>RIV-12-3'</u>	<u>9-13</u>	<u>1650</u>	<u>↓</u>	<u>↓</u>		X												<u>14</u>
<u>RIV-12-14'</u>	<u>9-13</u>	<u>1650</u>	<u>↓</u>	<u>↓</u>		X												<u>15</u>
<u>RIV-17-3'</u>	<u>9-14</u>	<u>1215</u>	<u>↓</u>	<u>↓</u>		X												<u>16</u>
<u>RIV-17-13'</u>	<u>9-14</u>	<u>1220</u>	<u>↓</u>	<u>↓</u>		X												<u>17</u>
<u>RIV-20-3'</u>	<u>9-14</u>	<u>1635</u>	<u>↓</u>	<u>↓</u>		X												<u>22</u>
<u>RIV-20-13'</u>	<u>9-14</u>	<u>1645</u>	<u>↓</u>	<u>↓</u>		X												<u>25</u>
<u>LEV5B-39</u>	<u>9-16</u>	<u>1050</u>	<u>soil</u>	<u>1</u>	X													<u>41</u>
<u>LEV5B-43</u>	<u>9-16</u>	<u>1055</u>	<u>↓</u>	<u>↓</u>	X													<u>42</u>
<u>LEV5B-46</u>	<u>9-16</u>	<u>1100</u>	<u>↓</u>	<u>↓</u>	X												<u>cancel + discard</u>	
Relinquished by: (Signature) <u>E Leaveron</u>		Received by: (Signature) <u>Lathy Vanable</u>		Date: <u>9/16</u>	Time: <u>12:55</u>	Sample Custodian Remarks (Completed By Laboratory):												
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:	<div style="display: flex; justify-content: space-between;"> <div> QA/QC Level  Level I <input type="checkbox"/>  Level II <input type="checkbox"/>  Level III <input type="checkbox"/>  Other <input type="checkbox"/> </div> <div> Turnaround  Routine <input type="checkbox"/>  24 Hour <input type="checkbox"/>  1 Week <input type="checkbox"/>  Other _____ </div> <div> Sample Receipt  Total # Containers Received? _____  COC Seals Present? _____  COC Seals Intact? _____  Received Containers Intact? _____  Temperature? _____ </div> </div>												
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:													

White: Lab Copy

Yellow: PM Copy

Pink: Field Copy

Gold: PM/QA/QC Copy



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907.563.9200 fax 907.563.9210

## CASE NARRATIVE FOR B5L0547

Client: The RETEC Group, Inc  
Project Manager: Stephen Howard  
Project Name: BNSF – Skykomish  
Project Number: BN050-16423-522

### 1.0 DESCRIPTION OF CASE

Eighty soil samples were submitted for the analysis of:

- Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)
- Conventional Chemistry Parameters by APHA/EPA Methods

### 2.0 COMMENTS ON SAMPLE RECEIPT

The samples were received December 22, 2005 by North Creek Analytical Bothell. The temperature of the samples at the time of receipt was 3.5 degrees Celsius. Duplicate samples B5L0547-73 through B5L0547-80 were added December 29, 2005 for Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) analysis per the revised COC.

### 3.0 PREPARATIONS AND ANALYSIS

#### *Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)*

For laboratory batches 5L22069, 5L23010 and 5L27049, the spike recovery of diesel range hydrocarbons in the batch blank spike and/or blank spike duplicate was above the laboratory established control limits of 71-120. It was determined that the spike had concentrated and as a result, the blank spike and blank spike duplicates were high due to the incorrect calculated amount of spike added to the spiked samples. A virtual spike (BS2/BSD2) was created with the correct concentration of diesel range hydrocarbons and uploaded for each diesel range hydrocarbon batch (5L22068, 5L22069, 5L23010 and 5L27049) with passing spike recoveries for diesel range hydrocarbons. The blank spikes were qualified and reported.

No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

#### *Conventional Chemistry Parameters by APHA/EPA Methods*

No additional anomalies, discrepancies, or issues were associated with sample preparation, analysis and quality control other than those already qualified in the data and described in the Notes and Definitions page at the end of the report.

---

Kate Haney  
Project Manager  
North Creek Analytical





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907.563.9200 fax 907.563.9210

10 January 2006

Stephen Howard  
The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134  
RE: BNSF-Skykomish

Enclosed are the results of analyses for samples received by the laboratory on 12/22/05 16:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kate Haney  
Project Manager



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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LEV8A-10'	B5L0547-01	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-15'	B5L0547-02	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-17.5'	B5L0547-03	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-20'	B5L0547-04	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-25'	B5L0547-05	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-30'	B5L0547-06	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-32.5'	B5L0547-07	Soil	12/19/05 16:30	12/22/05 16:55
LEV8A-35'	B5L0547-08	Soil	12/19/05 16:30	12/22/05 16:55
LEV8B-10'	B5L0547-09	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-15'	B5L0547-10	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-17.5'	B5L0547-11	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-20'	B5L0547-12	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-22.5'	B5L0547-13	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-25'	B5L0547-14	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-27.5'	B5L0547-15	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-30'	B5L0547-16	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-32.5'	B5L0547-17	Soil	12/20/05 11:30	12/22/05 16:55
LEV8B-35'	B5L0547-18	Soil	12/20/05 11:30	12/22/05 16:55
LEV7A-10'	B5L0547-19	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-15'	B5L0547-20	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-17.5'	B5L0547-21	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-20'	B5L0547-22	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-22.5'	B5L0547-23	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-25'	B5L0547-24	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-27.5'	B5L0547-25	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-30'	B5L0547-26	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-32.5'	B5L0547-27	Soil	12/20/05 16:00	12/22/05 16:55
LEV7A-35'	B5L0547-28	Soil	12/20/05 16:00	12/22/05 16:55
LEV6A-10'	B5L0547-29	Soil	12/21/05 10:30	12/22/05 16:55

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LEV6A-15'	B5L0547-30	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-17.5'	B5L0547-31	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-20'	B5L0547-32	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-22.5'	B5L0547-33	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-25'	B5L0547-34	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-27.5'	B5L0547-35	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-30'	B5L0547-36	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-32.5'	B5L0547-37	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-35'	B5L0547-38	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-37.5'	B5L0547-39	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-40'	B5L0547-40	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-42.5'	B5L0547-41	Soil	12/21/05 10:30	12/22/05 16:55
LEV6A-45'	B5L0547-42	Soil	12/21/05 10:30	12/22/05 16:55
LEV5C-10'	B5L0547-43	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-15'	B5L0547-44	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-17.5'	B5L0547-45	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-20'	B5L0547-46	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-22.5'	B5L0547-47	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-25'	B5L0547-48	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-27.5'	B5L0547-49	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-30'	B5L0547-50	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-32.5'	B5L0547-51	Soil	12/21/05 14:30	12/22/05 16:55
LEV5C-35'	B5L0547-52	Soil	12/21/05 14:30	12/22/05 16:55
LEV4A-10'	B5L0547-53	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-15'	B5L0547-54	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-17.5'	B5L0547-55	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-20'	B5L0547-56	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-22.5'	B5L0547-57	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-25'	B5L0547-58	Soil	12/22/05 10:15	12/22/05 16:55

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
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Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LEV4A-27.5'	B5L0547-59	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-30'	B5L0547-60	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-32.5'	B5L0547-61	Soil	12/22/05 10:15	12/22/05 16:55
LEV4A-35'	B5L0547-62	Soil	12/22/05 10:15	12/22/05 16:55
LEV2A-10'	B5L0547-63	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-15'	B5L0547-64	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-17.5'	B5L0547-65	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-20'	B5L0547-66	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-22.5'	B5L0547-67	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-25'	B5L0547-68	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-30'	B5L0547-69	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-32.5'	B5L0547-70	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-35'	B5L0547-71	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-37.5'	B5L0547-72	Soil	12/22/05 13:15	12/22/05 16:55
LEV2A-40'	B5L0547-73	Soil	12/22/05 13:15	12/22/05 16:55
LEV8A-17.5' DUP	B5L0547-74	Soil	12/19/05 16:30	12/22/05 16:55
LEV8B-20' DUP	B5L0547-75	Soil	12/20/05 11:30	12/22/05 16:55
LEV7A-20' DUP	B5L0547-76	Soil	12/20/05 16:00	12/22/05 16:55
LEV6A-20' DUP	B5L0547-77	Soil	12/21/05 10:30	12/22/05 16:55
LEV5C-22.5' DUP	B5L0547-78	Soil	12/21/05 14:30	12/22/05 16:55
LEV4A-15' DUP	B5L0547-79	Soil	12/22/05 10:15	12/22/05 16:55
LEV2A-22.5' DUP	B5L0547-80	Soil	12/22/05 13:15	12/22/05 16:55

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8A-10' (B5L0547-01) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	11.3	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	28.2	"	"	"	"	"	"	
Surrogate: 2-FBP	92.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	
<b>LEV8A-15' (B5L0547-02) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	47.2	11.0	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	54.9	27.4	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	94.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	107 %	50-150			"	"	"	"	
<b>LEV8A-17.5' (B5L0547-03) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	879	109	mg/kg dry	10	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	866	272	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	86.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	
<b>LEV8A-20' (B5L0547-04) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	3070	221	mg/kg dry	10	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	2540	553	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	101 %	50-150			"	"	"	"	
Surrogate: Octacosane	120 %	50-150			"	"	"	"	
<b>LEV8A-25' (B5L0547-05) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	60.2	11.5	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	54.4	28.8	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	97.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	109 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8A-30' (B5L0547-06) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>18.1</b>	11.5	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-06
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	28.8	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>94.3 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>108 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8A-32.5' (B5L0547-07) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	11.7	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	29.2	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>93.6 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>108 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8A-35' (B5L0547-08) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>35.0</b>	11.9	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>30.0</b>	29.8	"	"	"	"	"	"	D-15
<i>Surrogate: 2-FBP</i>	<i>98.1 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>111 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8B-10' (B5L0547-09) Soil Sampled: 12/20/05 11:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>48.6</b>	10.6	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-09
<b>Lube Oil Range Hydrocarbons</b>	<b>107</b>	26.6	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>99.1 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>112 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8B-15' (B5L0547-10) Soil Sampled: 12/20/05 11:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>1320</b>	113	mg/kg dry	10	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>1420</b>	282	"	"	"	"	"	"	D-15
<i>Surrogate: 2-FBP</i>	<i>83.6 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>113 %</i>	<i>50-150</i>			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
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Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8B-17.5' (B5L0547-11) Soil</b> <b>Sampled: 12/20/05 11:30</b> <b>Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>3140</b>	225	mg/kg dry	10	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>2660</b>	564	"	"	"	"	"	"	D-15
<i>Surrogate: 2-FBP</i>	<i>92.6 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>114 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8B-20' (B5L0547-12) Soil</b> <b>Sampled: 12/20/05 11:30</b> <b>Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>11.9</b>	10.8	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-06
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	27.0	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>96.6 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>111 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8B-22.5' (B5L0547-13) Soil</b> <b>Sampled: 12/20/05 11:30</b> <b>Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	13.3	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	33.2	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>96.4 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>110 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8B-25' (B5L0547-14) Soil</b> <b>Sampled: 12/20/05 11:30</b> <b>Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	12.7	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	31.7	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>97.2 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>113 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV8B-27.5' (B5L0547-15) Soil</b> <b>Sampled: 12/20/05 11:30</b> <b>Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>12.9</b>	11.3	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	D-06
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	28.3	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>97.6 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>112 %</i>	<i>50-150</i>			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
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**Reported:**  
01/10/06 17:50

### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8B-30' (B5L0547-16) Soil Sampled: 12/20/05 11:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	12.8	mg/kg dry	1	5L22068	12/22/05	12/23/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	32.0	"	"	"	"	"	"	
Surrogate: 2-FBP	98.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	
<b>LEV8B-32.5' (B5L0547-17) Soil Sampled: 12/20/05 11:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	13.2	mg/kg dry	1	5L22068	12/22/05	12/24/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	32.9	"	"	"	"	"	"	
Surrogate: 2-FBP	95.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	110 %	50-150			"	"	"	"	
<b>LEV8B-35' (B5L0547-18) Soil Sampled: 12/20/05 11:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	12.4	mg/kg dry	1	5L22068	12/22/05	12/24/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.0	"	"	"	"	"	"	
Surrogate: 2-FBP	95.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	110 %	50-150			"	"	"	"	
<b>LEV7A-10' (B5L0547-19) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	963	105	mg/kg dry	10	5L22068	12/22/05	12/24/05	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	2270	262	"	"	"	"	"	"	
Surrogate: 2-FBP	90.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	109 %	50-150			"	"	"	"	
<b>LEV7A-15' (B5L0547-20) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	2080	114	mg/kg dry	10	5L22068	12/22/05	12/24/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	2490	284	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	96.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	124 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV7A-17.5' (B5L0547-21) Soil</b> Sampled: 12/20/05 16:00 Received: 12/22/05 16:55									
Diesel Range Hydrocarbons	1770	120	mg/kg dry	10	5L22069	12/22/05	12/27/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	1440	300	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	87.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	112 %	50-150			"	"	"	"	
<b>LEV7A-20' (B5L0547-22) Soil</b> Sampled: 12/20/05 16:00 Received: 12/22/05 16:55									
Diesel Range Hydrocarbons	ND	13.8	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	34.4	"	"	"	"	"	"	
Surrogate: 2-FBP	87.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	
<b>LEV7A-22.5' (B5L0547-23) Soil</b> Sampled: 12/20/05 16:00 Received: 12/22/05 16:55									
Diesel Range Hydrocarbons	17.4	12.5	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.3	"	"	"	"	"	"	
Surrogate: 2-FBP	100 %	50-150			"	"	"	"	
Surrogate: Octacosane	119 %	50-150			"	"	"	"	
<b>LEV7A-25' (B5L0547-24) Soil</b> Sampled: 12/20/05 16:00 Received: 12/22/05 16:55									
Diesel Range Hydrocarbons	ND	13.2	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	33.1	"	"	"	"	"	"	
Surrogate: 2-FBP	91.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	110 %	50-150			"	"	"	"	
<b>LEV7A-27.5' (B5L0547-25) Soil</b> Sampled: 12/20/05 16:00 Received: 12/22/05 16:55									
Diesel Range Hydrocarbons	ND	14.3	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	35.7	"	"	"	"	"	"	
Surrogate: 2-FBP	97.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	117 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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**Reported:**  
01/10/06 17:50

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV7A-30' (B5L0547-26) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>129</b>	13.3	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>130</b>	33.2	"	"	"	"	"	"	D-15
<i>Surrogate: 2-FBP</i>	<i>95.5 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>109 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV7A-32.5' (B5L0547-27) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	13.9	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	34.7	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>89.7 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>112 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV7A-35' (B5L0547-28) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	12.7	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.8	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>99.1 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>120 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV6A-10' (B5L0547-29) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.9	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.2	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>103 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>121 %</i>	<i>50-150</i>			"	"	"	"	
<b>LEV6A-15' (B5L0547-30) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>33.5</b>	11.2	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	D-09
<b>Lube Oil Range Hydrocarbons</b>	<b>75.8</b>	28.0	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	<i>91.3 %</i>	<i>50-150</i>			"	"	"	"	
<i>Surrogate: Octacosane</i>	<i>107 %</i>	<i>50-150</i>			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**LEV6A-17.5' (B5L0547-31) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55**

Diesel Range Hydrocarbons	ND	11.3	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	28.4	"	"	"	"	"	"	
Surrogate: 2-FBP	93.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	

**LEV6A-20' (B5L0547-32) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55**

Diesel Range Hydrocarbons	ND	14.6	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	36.4	"	"	"	"	"	"	
Surrogate: 2-FBP	102 %	50-150			"	"	"	"	
Surrogate: Octacosane	121 %	50-150			"	"	"	"	

**LEV6A-22.5' (B5L0547-33) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55**

Diesel Range Hydrocarbons	ND	13.7	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	34.3	"	"	"	"	"	"	
Surrogate: 2-FBP	104 %	50-150			"	"	"	"	
Surrogate: Octacosane	122 %	50-150			"	"	"	"	

**LEV6A-25' (B5L0547-34) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55**

Diesel Range Hydrocarbons	ND	14.3	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	35.8	"	"	"	"	"	"	
Surrogate: 2-FBP	89.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	110 %	50-150			"	"	"	"	

**LEV6A-27.5' (B5L0547-35) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55**

Diesel Range Hydrocarbons	ND	13.3	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	33.4	"	"	"	"	"	"	
Surrogate: 2-FBP	86.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV6A-30' (B5L0547-36) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	13.9	mg/kg dry	1	5L22069	12/22/05	12/27/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	34.8	"	"	"	"	"	"	
Surrogate: 2-FBP	96.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	115 %	50-150			"	"	"	"	
<b>LEV6A-32.5' (B5L0547-37) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.9	mg/kg dry	1	5L22069	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.3	"	"	"	"	"	"	
Surrogate: 2-FBP	88.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
<b>LEV6A-35' (B5L0547-38) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.4	mg/kg dry	1	5L22069	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.0	"	"	"	"	"	"	
Surrogate: 2-FBP	92.6 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	
<b>LEV6A-37.5' (B5L0547-39) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	11.0	mg/kg dry	1	5L22069	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.5	"	"	"	"	"	"	
Surrogate: 2-FBP	100 %	50-150			"	"	"	"	
Surrogate: Octacosane	118 %	50-150			"	"	"	"	
<b>LEV6A-40' (B5L0547-40) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry	1	5L22069	12/22/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.0	"	"	"	"	"	"	
Surrogate: 2-FBP	91.9 %	50-150			"	"	"	"	
Surrogate: Octacosane	112 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV6A-42.5' (B5L0547-41) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.9	"	"	"	"	"	"	
Surrogate: 2-FBP	83.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	102 %	50-150			"	"	"	"	
<b>LEV6A-45' (B5L0547-42) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.6	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	26.4	"	"	"	"	"	"	
Surrogate: 2-FBP	86.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	107 %	50-150			"	"	"	"	
<b>LEV5C-10' (B5L0547-43) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.8	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.0	"	"	"	"	"	"	
Surrogate: 2-FBP	88.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
<b>LEV5C-15' (B5L0547-44) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	18900	1040	mg/kg dry	50	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	14600	2600	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	ND	50-150			"	"	"	"	S-01
Surrogate: Octacosane	ND	50-150			"	"	"	"	S-01
<b>LEV5C-17.5' (B5L0547-45) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	4620	246	mg/kg dry	10	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	3910	615	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	88.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	115 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

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## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV5C-20' (B5L0547-46) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>9740</b>	348	mg/kg dry	10	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>8290</b>	871	"	"	"	"	"	"	D-15
<i>Surrogate: 2-FBP</i>	96.9 %	50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	120 %	50-150			"	"	"	"	
<b>LEV5C-22.5' (B5L0547-47) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>124</b>	10.8	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>118</b>	27.0	"	"	"	"	"	"	D-15
<i>Surrogate: 2-FBP</i>	92.4 %	50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	107 %	50-150			"	"	"	"	
<b>LEV5C-25' (B5L0547-48) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	12.7	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	31.7	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	83.4 %	50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	106 %	50-150			"	"	"	"	
<b>LEV5C-27.5' (B5L0547-49) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	11.0	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.4	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	86.5 %	50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	106 %	50-150			"	"	"	"	
<b>LEV5C-30' (B5L0547-50) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	11.5	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	28.8	"	"	"	"	"	"	
<i>Surrogate: 2-FBP</i>	87.2 %	50-150			"	"	"	"	
<i>Surrogate: Octacosane</i>	106 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Skykomish  
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**Reported:**  
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### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV5C-32.5' (B5L0547-51) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	11.7	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.3	"	"	"	"	"	"	
Surrogate: 2-FBP	83.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	
<b>LEV5C-35' (B5L0547-52) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	12.0	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.9	"	"	"	"	"	"	
Surrogate: 2-FBP	80.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	99.5 %	50-150			"	"	"	"	
<b>LEV4A-10' (B5L0547-53) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	10.9	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.2	"	"	"	"	"	"	
Surrogate: 2-FBP	87.3 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	
<b>LEV4A-15' (B5L0547-54) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	47.0	10.5	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	89.3	26.3	"	"	"	"	"	"	
Surrogate: 2-FBP	90.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	109 %	50-150			"	"	"	"	
<b>LEV4A-17.5' (B5L0547-55) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	2780	122	mg/kg dry	5	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	2270	304	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	86.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	107 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV4A-20' (B5L0547-56) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>1990</b>	112	mg/kg dry	10	5L23010	12/23/05	01/03/06	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>1910</b>	280	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	72.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	110 %	50-150			"	"	"	"	
<b>LEV4A-22.5' (B5L0547-57) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>2090</b>	105	mg/kg dry	5	5L23010	12/23/05	01/03/06	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>1940</b>	262	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	75.4 %	50-150			"	"	"	"	
Surrogate: Octacosane	109 %	50-150			"	"	"	"	
<b>LEV4A-25' (B5L0547-58) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>385</b>	22.7	mg/kg dry	2	5L23010	12/23/05	01/03/06	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>378</b>	56.7	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	87.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	112 %	50-150			"	"	"	"	
<b>LEV4A-27.5' (B5L0547-59) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>21.7</b>	10.6	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	D-06
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	26.6	"	"	"	"	"	"	
Surrogate: 2-FBP	85.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	108 %	50-150			"	"	"	"	
<b>LEV4A-30' (B5L0547-60) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
<b>Diesel Range Hydrocarbons</b>	<b>ND</b>	12.7	mg/kg dry	1	5L23010	12/23/05	12/28/05	NWTPH-Dx	
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	31.7	"	"	"	"	"	"	
Surrogate: 2-FBP	70.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	78.0 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV4A-32.5' (B5L0547-61) Soil</b> Sampled: 12/22/05 10:15 Received: 12/22/05 16:55									
<b>Diesel Range Hydrocarbons</b>	<b>40.3</b>	11.4	mg/kg dry	1	5L27049	12/27/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>44.9</b>	28.6	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	105 %	50-150			"	"	"	"	
Surrogate: Octacosane	110 %	50-150			"	"	"	"	
<b>LEV4A-35' (B5L0547-62) Soil</b> Sampled: 12/22/05 10:15 Received: 12/22/05 16:55									
<b>Diesel Range Hydrocarbons</b>	<b>23.7</b>	14.5	mg/kg dry	1	5L27049	12/27/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>ND</b>	36.2	"	"	"	"	"	"	
Surrogate: 2-FBP	117 %	50-150			"	"	"	"	
Surrogate: Octacosane	124 %	50-150			"	"	"	"	
<b>LEV2A-10' (B5L0547-63) Soil</b> Sampled: 12/22/05 13:15 Received: 12/22/05 16:55									
<b>Diesel Range Hydrocarbons</b>	<b>161</b>	10.7	mg/kg dry	1	5L27049	12/27/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>231</b>	26.8	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	114 %	50-150			"	"	"	"	
Surrogate: Octacosane	119 %	50-150			"	"	"	"	
<b>LEV2A-15' (B5L0547-64) Soil</b> Sampled: 12/22/05 13:15 Received: 12/22/05 16:55									
<b>Diesel Range Hydrocarbons</b>	<b>10800</b>	1110	mg/kg dry	50	5L27049	12/27/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>13500</b>	2790	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	ND	50-150			"	"	"	"	S-01
Surrogate: Octacosane	ND	50-150			"	"	"	"	S-01
<b>LEV2A-17.5' (B5L0547-65) Soil</b> Sampled: 12/22/05 13:15 Received: 12/22/05 16:55									
<b>Diesel Range Hydrocarbons</b>	<b>1600</b>	106	mg/kg dry	5	5L27049	12/27/05	12/28/05	NWTPH-Dx	D-15
<b>Lube Oil Range Hydrocarbons</b>	<b>1650</b>	264	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	117 %	50-150			"	"	"	"	
Surrogate: Octacosane	126 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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#### LEV2A-20' (B5L0547-66) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55

Diesel Range Hydrocarbons	ND	13.5	mg/kg dry	1	5L27049	12/27/05	12/28/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	33.8	"	"	"	"	"	"	
Surrogate: 2-FBP	100 %	50-150			"	"	"	"	
Surrogate: Octacosane	105 %	50-150			"	"	"	"	

#### LEV2A-22.5' (B5L0547-67) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55

Diesel Range Hydrocarbons	83.4	14.1	mg/kg dry	1	5L27049	12/27/05	12/28/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	105	35.3	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	100 %	50-150			"	"	"	"	
Surrogate: Octacosane	108 %	50-150			"	"	"	"	

#### LEV2A-25' (B5L0547-68) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55

Diesel Range Hydrocarbons	ND	14.3	mg/kg dry	1	5L27049	12/27/05	12/29/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	35.7	"	"	"	"	"	"	
Surrogate: 2-FBP	108 %	50-150			"	"	"	"	
Surrogate: Octacosane	119 %	50-150			"	"	"	"	

#### LEV2A-30' (B5L0547-69) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55

Diesel Range Hydrocarbons	ND	13.6	mg/kg dry	1	5L27049	12/27/05	12/29/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	34.0	"	"	"	"	"	"	
Surrogate: 2-FBP	98.2 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	

#### LEV2A-32.5' (B5L0547-70) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55

Diesel Range Hydrocarbons	ND	11.5	mg/kg dry	1	5L27049	12/27/05	12/29/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	28.7	"	"	"	"	"	"	
Surrogate: 2-FBP	101 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

## Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV2A-35' (B5L0547-71) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	11.8	mg/kg dry	1	5L27049	12/27/05	12/29/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	29.5	"	"	"	"	"	"	
Surrogate: 2-FBP	93.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	108 %	50-150			"	"	"	"	
<b>LEV2A-37.5' (B5L0547-72) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	108	14.5	mg/kg dry	1	5L27049	12/27/05	12/29/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	126	36.4	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	101 %	50-150			"	"	"	"	
Surrogate: Octacosane	106 %	50-150			"	"	"	"	
<b>LEV2A-40' (B5L0547-73) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	40.3	12.2	mg/kg dry	1	5L27049	12/27/05	12/29/05	NWTPH-Dx	D-15
Lube Oil Range Hydrocarbons	54.4	30.6	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	95.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	111 %	50-150			"	"	"	"	
<b>LEV8A-17.5' DUP (B5L0547-74) Soil Sampled: 12/19/05 16:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	1540	111	mg/kg dry	10	5L29040	12/29/05	12/31/05	NWTPH-Dx	D-15a
Lube Oil Range Hydrocarbons	1500	278	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	99.1 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	
<b>LEV8B-20' DUP (B5L0547-75) Soil Sampled: 12/20/05 11:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	19.4	10.8	mg/kg dry	1	5L29040	12/29/05	12/31/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	27.0	"	"	"	"	"	"	
Surrogate: 2-FBP	91.7 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
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### Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up)

#### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV7A-20' DUP (B5L0547-76) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	13.7	mg/kg dry	1	5L29040	12/29/05	12/31/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	34.2	"	"	"	"	"	"	
Surrogate: 2-FBP	93.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	104 %	50-150			"	"	"	"	
<b>LEV6A-20' DUP (B5L0547-77) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	ND	14.9	mg/kg dry	1	5L29040	12/29/05	12/31/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	37.2	"	"	"	"	"	"	
Surrogate: 2-FBP	89.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	101 %	50-150			"	"	"	"	
<b>LEV5C-22.5' DUP (B5L0547-78) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	138	11.3	mg/kg dry	1	5L29040	12/29/05	01/03/06	NWTPH-Dx	D-15a
Lube Oil Range Hydrocarbons	136	28.3	"	"	"	"	"	"	D-15
Surrogate: 2-FBP	92.0 %	50-150			"	"	"	"	
Surrogate: Octacosane	104 %	50-150			"	"	"	"	
<b>LEV4A-15' DUP (B5L0547-79) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	34.3	10.7	mg/kg dry	1	5L29040	12/29/05	01/03/06	NWTPH-Dx	D-09
Lube Oil Range Hydrocarbons	79.7	26.8	"	"	"	"	"	"	
Surrogate: 2-FBP	87.8 %	50-150			"	"	"	"	
Surrogate: Octacosane	103 %	50-150			"	"	"	"	
<b>LEV2A-22.5' DUP (B5L0547-80) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Diesel Range Hydrocarbons	26.2	14.0	mg/kg dry	1	5L29040	12/29/05	12/31/05	NWTPH-Dx	
Lube Oil Range Hydrocarbons	ND	35.1	"	"	"	"	"	"	
Surrogate: 2-FBP	91.5 %	50-150			"	"	"	"	
Surrogate: Octacosane	104 %	50-150			"	"	"	"	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Conventional Chemistry Parameters by APHA/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8A-10' (B5L0547-01) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	5850	564	mg/kg dry	1	6A09026	12/27/05	01/06/06	EPA 9060 mod.	
Total Organic Carbon - High	6560	564	"	"	"	"	"	"	
Total Organic Carbon - Low	5210	564	"	"	"	"	"	"	
<b>LEV8A-35' (B5L0547-08) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	2190	597	mg/kg dry	1	6A09026	12/27/05	01/06/06	EPA 9060 mod.	
Total Organic Carbon - High	2580	597	"	"	"	"	"	"	
Total Organic Carbon - Low	1500	597	"	"	"	"	"	"	
<b>LEV8B-10' (B5L0547-09) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	8140	532	mg/kg dry	1	6A09026	12/27/05	01/06/06	EPA 9060 mod.	
Total Organic Carbon - High	9160	532	"	"	"	"	"	"	
Total Organic Carbon - Low	6800	532	"	"	"	"	"	"	
<b>LEV8B-35' (B5L0547-18) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	4780	620	mg/kg dry	1	6A09026	12/27/05	01/06/06	EPA 9060 mod.	
Total Organic Carbon - High	5500	620	"	"	"	"	"	"	
Total Organic Carbon - Low	4140	620	"	"	"	"	"	"	
<b>LEV7A-10' (B5L0547-19) Soil    Sampled: 12/20/05 16:00    Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	20500	524	mg/kg dry	1	6A09026	12/27/05	01/06/06	EPA 9060 mod.	
Total Organic Carbon - High	24700	524	"	"	"	"	"	"	
Total Organic Carbon - Low	16900	524	"	"	"	"	"	"	
<b>LEV7A-35' (B5L0547-28) Soil    Sampled: 12/20/05 16:00    Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	2150	647	mg/kg dry	1	6A09026	12/27/05	01/06/06	EPA 9060 mod.	
Total Organic Carbon - High	2300	647	"	"	"	"	"	"	
Total Organic Carbon - Low	2020	647	"	"	"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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**Conventional Chemistry Parameters by APHA/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV6A-40' (B5L0547-40) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	2970	547	mg/kg dry	1	6A10032	12/27/05	01/09/06	EPA 9060 mod.	
Total Organic Carbon - High	3680	547	"	"	"	"	"	"	
Total Organic Carbon - Low	2220	547	"	"	"	"	"	"	
<b>LEV5C-10' (B5L0547-43) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	3390	542	mg/kg dry	1	6A10032	12/27/05	01/09/06	EPA 9060 mod.	
Total Organic Carbon - High	3460	542	"	"	"	"	"	"	
Total Organic Carbon - Low	3340	542	"	"	"	"	"	"	
<b>LEV4A-10' (B5L0547-53) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	4200	548	mg/kg dry	1	6A10032	12/27/05	01/09/06	EPA 9060 mod.	
Total Organic Carbon - High	5180	548	"	"	"	"	"	"	
Total Organic Carbon - Low	3520	548	"	"	"	"	"	"	
<b>LEV4A-35' (B5L0547-62) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	3870	725	mg/kg dry	1	6A10032	12/27/05	01/09/06	EPA 9060 mod.	
Total Organic Carbon - High	4250	725	"	"	"	"	"	"	
Total Organic Carbon - Low	3370	725	"	"	"	"	"	"	
<b>LEV2A-10' (B5L0547-63) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	9010	544	mg/kg dry	1	6A10032	12/27/05	01/09/06	EPA 9060 mod.	
Total Organic Carbon - High	11200	544	"	"	"	"	"	"	
Total Organic Carbon - Low	6650	544	"	"	"	"	"	"	
<b>LEV2A-35' (B5L0547-71) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Total Organic Carbon - Average	1750	596	mg/kg dry	1	6A10032	12/27/05	01/09/06	EPA 9060 mod.	
Total Organic Carbon - High	1920	596	"	"	"	"	"	"	
Total Organic Carbon - Low	1590	596	"	"	"	"	"	"	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

## Physical Parameters by APHA/ASTM/EPA Methods

### North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8A-10' (B5L0547-01) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	88.6	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-15' (B5L0547-02) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	91.2	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-17.5' (B5L0547-03) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	92.0	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-20' (B5L0547-04) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	90.4	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-25' (B5L0547-05) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	86.8	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-30' (B5L0547-06) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	86.8	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-32.5' (B5L0547-07) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	85.7	1.00	%	1	5L27043	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-35' (B5L0547-08) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
Dry Weight	83.8	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-10' (B5L0547-09) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
Dry Weight	94.0	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project Number: BN050-16423-522  
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**Reported:**  
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**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV8B-15' (B5L0547-10) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>88.7</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-17.5' (B5L0547-11) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>88.7</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-20' (B5L0547-12) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>92.7</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-22.5' (B5L0547-13) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>75.4</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-25' (B5L0547-14) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>78.9</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-27.5' (B5L0547-15) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>88.2</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-30' (B5L0547-16) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>78.2</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-32.5' (B5L0547-17) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>75.9</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8B-35' (B5L0547-18) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>80.6</b>	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

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### Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV7A-10' (B5L0547-19) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	95.4	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-15' (B5L0547-20) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	88.1	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-17.5' (B5L0547-21) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	83.2	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-20' (B5L0547-22) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	71.4	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-22.5' (B5L0547-23) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	79.5	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-25' (B5L0547-24) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	75.5	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-27.5' (B5L0547-25) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	70.0	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-30' (B5L0547-26) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	74.2	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV7A-32.5' (B5L0547-27) Soil Sampled: 12/20/05 16:00 Received: 12/22/05 16:55</b>									
Dry Weight	70.8	1.00	%	1	5L27044	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV7A-35' (B5L0547-28) Soil    Sampled: 12/20/05 16:00    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>77.3</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-10' (B5L0547-29) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>91.5</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-15' (B5L0547-30) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>88.9</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-17.5' (B5L0547-31) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>87.0</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-20' (B5L0547-32) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>67.5</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-22.5' (B5L0547-33) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>72.7</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-25' (B5L0547-34) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>69.6</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-27.5' (B5L0547-35) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>74.2</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-30' (B5L0547-36) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>71.6</b>	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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### Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV6A-32.5' (B5L0547-37) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Dry Weight	90.4	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-35' (B5L0547-38) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Dry Weight	94.5	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-37.5' (B5L0547-39) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Dry Weight	89.9	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-40' (B5L0547-40) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Dry Weight	91.4	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-42.5' (B5L0547-41) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Dry Weight	91.4	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV6A-45' (B5L0547-42) Soil Sampled: 12/21/05 10:30 Received: 12/22/05 16:55</b>									
Dry Weight	93.6	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-10' (B5L0547-43) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	92.2	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-15' (B5L0547-44) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	92.9	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-17.5' (B5L0547-45) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	81.8	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

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### Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV5C-20' (B5L0547-46) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	82.8	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-22.5' (B5L0547-47) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	92.6	1.00	%	1	5L27045	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-25' (B5L0547-48) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	78.7	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-27.5' (B5L0547-49) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	90.0	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-30' (B5L0547-50) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	86.9	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-32.5' (B5L0547-51) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	85.0	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV5C-35' (B5L0547-52) Soil Sampled: 12/21/05 14:30 Received: 12/22/05 16:55</b>									
Dry Weight	84.1	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-10' (B5L0547-53) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	91.2	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-15' (B5L0547-54) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	93.9	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV4A-17.5' (B5L0547-55) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	81.1	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-20' (B5L0547-56) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	88.3	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-22.5' (B5L0547-57) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	92.3	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-25' (B5L0547-58) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	86.7	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-27.5' (B5L0547-59) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	92.6	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-30' (B5L0547-60) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	78.0	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-32.5' (B5L0547-61) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	87.4	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV4A-35' (B5L0547-62) Soil Sampled: 12/22/05 10:15 Received: 12/22/05 16:55</b>									
Dry Weight	69.0	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-10' (B5L0547-63) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	91.9	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
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### Physical Parameters by APHA/ASTM/EPA Methods North Creek Analytical - Bothell

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV2A-15' (B5L0547-64) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	89.1	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-17.5' (B5L0547-65) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	91.6	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-20' (B5L0547-66) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	73.9	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-22.5' (B5L0547-67) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	70.1	1.00	%	1	5L27046	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-25' (B5L0547-68) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	69.3	1.00	%	1	5L27047	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-30' (B5L0547-69) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	72.6	1.00	%	1	5L27047	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-32.5' (B5L0547-70) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	86.3	1.00	%	1	5L27047	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-35' (B5L0547-71) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	83.9	1.00	%	1	5L27047	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV2A-37.5' (B5L0547-72) Soil Sampled: 12/22/05 13:15 Received: 12/22/05 16:55</b>									
Dry Weight	68.3	1.00	%	1	5L27047	12/27/05	12/28/05	BSOPSPL003R08	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Physical Parameters by APHA/ASTM/EPA Methods**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>LEV2A-40' (B5L0547-73) Soil    Sampled: 12/22/05 13:15    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>81.7</b>	1.00	%	1	5L27047	12/27/05	12/28/05	BSOPSPL003R08	
<b>LEV8A-17.5' DUP (B5L0547-74) Soil    Sampled: 12/19/05 16:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>88.9</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	
<b>LEV8B-20' DUP (B5L0547-75) Soil    Sampled: 12/20/05 11:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>91.9</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	
<b>LEV7A-20' DUP (B5L0547-76) Soil    Sampled: 12/20/05 16:00    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>72.8</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	
<b>LEV6A-20' DUP (B5L0547-77) Soil    Sampled: 12/21/05 10:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>66.4</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	
<b>LEV5C-22.5' DUP (B5L0547-78) Soil    Sampled: 12/21/05 14:30    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>87.9</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	
<b>LEV4A-15' DUP (B5L0547-79) Soil    Sampled: 12/22/05 10:15    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>94.3</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	
<b>LEV2A-22.5' DUP (B5L0547-80) Soil    Sampled: 12/22/05 13:15    Received: 12/22/05 16:55</b>									
<b>Dry Weight</b>	<b>70.3</b>	1.00	%	1	5L30045	12/30/05	01/03/06	BSOPSPL003R08	

North Creek Analytical - Bothell

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L22068: Prepared 12/22/05 Using EPA 3550B**

**Blank (5L22068-BLK1)**

Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.64		"	8.33		91.7	50-150			
Surrogate: Octacosane	8.59		"	8.33		103	50-150			

**LCS (5L22068-BS1)**

Diesel Range Hydrocarbons	78.8	10.0	mg/kg	66.7		118	71-120			
Surrogate: 2-FBP	7.88		"	8.33		94.6	50-150			

**LCS (5L22068-BS2)**

Diesel Range Hydrocarbons	78.8	10.0	mg/kg	87.8		89.7	71-120			X
Surrogate: 2-FBP	7.88		"	8.33		94.6	50-150			

**LCS Dup (5L22068-BSD1)**

Diesel Range Hydrocarbons	78.0	10.0	mg/kg	66.7		117	71-120	1.02	40	
Surrogate: 2-FBP	7.89		"	8.33		94.7	50-150			

**LCS Dup (5L22068-BSD2)**

Diesel Range Hydrocarbons	78.0	10.0	mg/kg	87.8		88.8	71-120	1.02	40	X
Surrogate: 2-FBP	7.89		"	8.33		94.7	50-150			

**Duplicate (5L22068-DUP1)**

**Source: B5L0547-01**

Diesel Range Hydrocarbons	4.56	11.3	mg/kg dry	3.43				28.3	40	
Lube Oil Range Hydrocarbons	11.1	28.2	"	11.1				0.00	40	
Surrogate: 2-FBP	8.75		"	9.41		93.0	50-150			
Surrogate: Octacosane	9.95		"	9.41		106	50-150			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Skykomish  
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**Reported:**  
01/10/06 17:50

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L22069: Prepared 12/22/05 Using EPA 3550B**

**Blank (5L22069-BLK1)**

Diesel Range Hydrocarbons	ND	10.0	mg/kg						
Lube Oil Range Hydrocarbons	ND	25.0	"						
Surrogate: 2-FBP	7.94		"	8.33		95.3	50-150		
Surrogate: Octacosane	9.85		"	8.33		118	50-150		

**LCS (5L22069-BS1)**

Diesel Range Hydrocarbons	84.0	10.0	mg/kg	66.7		126	71-120		X
Surrogate: 2-FBP	8.14		"	8.33		97.7	50-150		

**LCS (5L22069-BS2)**

Diesel Range Hydrocarbons	84.0	10.0	mg/kg	87.8		95.7	71-120		X
Surrogate: 2-FBP	8.14		"	8.33		97.7	50-150		

**LCS Dup (5L22069-BSD1)**

Diesel Range Hydrocarbons	87.0	10.0	mg/kg	66.7		130	71-120	3.51	40	X
Surrogate: 2-FBP	8.38		"	8.33		101	50-150			

**LCS Dup (5L22069-BSD2)**

Diesel Range Hydrocarbons	87.0	10.0	mg/kg	87.8		99.1	71-120	3.51	40	X
Surrogate: 2-FBP	8.38		"	8.33		101	50-150			

**Duplicate (5L22069-DUP1)**

**Source: B5L0547-23**

Diesel Range Hydrocarbons	8.87	12.6	mg/kg dry		17.4			64.9	40	Q-06
Lube Oil Range Hydrocarbons	7.66	31.4	"		15.8			69.4	40	Q-06
Surrogate: 2-FBP	10.1		"	10.5		96.2	50-150			
Surrogate: Octacosane	12.5		"	10.5		119	50-150			

North Creek Analytical - Bothell

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**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L23010: Prepared 12/23/05 Using EPA 3550B**

**Blank (5L23010-BLK1)**

Diesel Range Hydrocarbons	ND	10.0	mg/kg						
Lube Oil Range Hydrocarbons	ND	25.0	"						
Surrogate: 2-FBP	7.20		"	8.33		86.4	50-150		
Surrogate: Octacosane	9.02		"	8.33		108	50-150		

**LCS (5L23010-BS1)**

Diesel Range Hydrocarbons	81.0	10.0	mg/kg	66.7		121	71-120		X
Surrogate: 2-FBP	7.53		"	8.33		90.4	50-150		

**LCS (5L23010-BS2)**

Diesel Range Hydrocarbons	81.0	10.0	mg/kg	87.8		92.3	71-120		X
Surrogate: 2-FBP	7.53		"	8.33		90.4	50-150		

**LCS Dup (5L23010-BSD1)**

Diesel Range Hydrocarbons	80.1	10.0	mg/kg	66.7		120	71-120	1.12	40
Surrogate: 2-FBP	7.42		"	8.33		89.1	50-150		

**LCS Dup (5L23010-BSD2)**

Diesel Range Hydrocarbons	80.1	10.0	mg/kg	87.8		91.2	71-120	1.12	40
Surrogate: 2-FBP	7.42		"	8.33		89.1	50-150		

**Duplicate (5L23010-DUP1)**

**Source: B5L0547-42**

Diesel Range Hydrocarbons	5.19	10.5	mg/kg dry		3.04			52.2	40	Q-05
Lube Oil Range Hydrocarbons	7.62	26.3	"		7.50			1.59	40	
Surrogate: 2-FBP	7.16		"	8.76		81.7	50-150			
Surrogate: Octacosane	8.24		"	8.76		94.1	50-150			

North Creek Analytical - Bothell

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**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L27049: Prepared 12/27/05 Using EPA 3550B**

**Blank (5L27049-BLK1)**

Diesel Range Hydrocarbons	ND	10.0	mg/kg						
Lube Oil Range Hydrocarbons	ND	25.0	"						
Surrogate: 2-FBP	8.80		"	8.33		106	50-150		
Surrogate: Octacosane	9.31		"	8.33		112	50-150		

**LCS (5L27049-BS1)**

Diesel Range Hydrocarbons	83.1	10.0	mg/kg	66.7		125	71-120		X
Surrogate: 2-FBP	8.10		"	8.33		97.2	50-150		

**LCS (5L27049-BS2)**

Diesel Range Hydrocarbons	83.1	10.0	mg/kg	87.8		94.6	71-120		X
Surrogate: 2-FBP	8.10		"	8.33		97.2	50-150		

**LCS Dup (5L27049-BSD1)**

Diesel Range Hydrocarbons	83.9	10.0	mg/kg	66.7		126	71-120	0.958	40	X
Surrogate: 2-FBP	8.10		"	8.33		97.2	50-150			

**LCS Dup (5L27049-BSD2)**

Diesel Range Hydrocarbons	83.9	10.0	mg/kg	87.8		95.6	71-120	0.958	40	X
Surrogate: 2-FBP	8.10		"	8.33		97.2	50-150			

**Duplicate (5L27049-DUP1)**

**Source: B5L0547-61**

Diesel Range Hydrocarbons	45.4	11.3	mg/kg dry		40.3			11.9	40	
Lube Oil Range Hydrocarbons	48.8	28.2	"		44.9			8.32	40	
Surrogate: 2-FBP	10.3		"	9.41		109	50-150			
Surrogate: Octacosane	11.3		"	9.41		120	50-150			

North Creek Analytical - Bothell

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**Portland** 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132  
503.906.9200 fax 503.906.9210  
**Bend** 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711  
541.383.9310 fax 541.382.7588  
**Anchorage** 2000 W International Airport Road, Suite A-10, Anchorage, AK 99502-1119  
907.563.9200 fax 907.563.9210

The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Semivolatile Petroleum Products by NWTPH-Dx (w/o Acid/Silica Gel Clean-up) - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5L29040: Prepared 12/29/05 Using EPA 3550B**

**Blank (5L29040-BLK1)**

Diesel Range Hydrocarbons	ND	10.0	mg/kg							
Lube Oil Range Hydrocarbons	ND	25.0	"							
Surrogate: 2-FBP	7.65		"	8.33		91.8	50-150			
Surrogate: Octacosane	8.88		"	8.33		107	50-150			

**LCS (5L29040-BS1)**

Diesel Range Hydrocarbons	65.9	10.0	mg/kg	66.7		98.8	71-120			
Surrogate: 2-FBP	7.67		"	8.33		92.1	50-150			

**LCS Dup (5L29040-BSD1)**

Diesel Range Hydrocarbons	65.4	10.0	mg/kg	66.7		98.1	71-120	0.762	40	
Surrogate: 2-FBP	7.61		"	8.33		91.4	50-150			

**Duplicate (5L29040-DUP1)**

**Source: B5L0547-79**

Diesel Range Hydrocarbons	26.4	10.6	mg/kg dry		34.3			26.0	40	
Lube Oil Range Hydrocarbons	61.4	26.6	"		79.7			25.9	40	
Surrogate: 2-FBP	7.62		"	8.87		85.9	50-150			
Surrogate: Octacosane	9.05		"	8.87		102	50-150			

North Creek Analytical - Bothell

Kate Haney, Project Manager

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
425.420.9200 fax 425.420.9210  
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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6A09026: Prepared 01/06/06 Using TOC Preparation**

**Blank (6A09026-BLK1)**

Total Organic Carbon - High	ND	500	mg/kg
Total Organic Carbon - Low	ND	500	"

**LCS (6A09026-BS1)**

Total Organic Carbon - Average	33100	500	mg/kg	29900	111	70-130
Total Organic Carbon - High	33600	500	"	29900	112	70-130
Total Organic Carbon - Low	32300	500	"	29900	108	70-130

**LCS Dup (6A09026-BSD1)**

Total Organic Carbon - Average	33500	500	mg/kg	29900	112	70-130	1.20	30
Total Organic Carbon - High	34800	500	"	29900	116	70-130	3.51	30
Total Organic Carbon - Low	32800	500	"	29900	110	70-130	1.54	30

**Duplicate (6A09026-DUP1)**

**Source: B5L0547-01**

Total Organic Carbon - Average	6290	564	mg/kg dry	5850	7.25	200
Total Organic Carbon - High	6590	564	"	6560	0.456	200
Total Organic Carbon - Low	5520	564	"	5210	5.78	200

**Matrix Spike (6A09026-MS1)**

**Source: B5L0547-01**

Total Organic Carbon - Average	9980	564	mg/kg dry	3700	5850	112	70-130
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**Batch 6A10032: Prepared 01/09/06 Using TOC Preparation**

**Blank (6A10032-BLK1)**

Total Organic Carbon - Average	ND	500	mg/kg
Total Organic Carbon - High	ND	500	"
Total Organic Carbon - Low	ND	500	"

North Creek Analytical - Bothell

Kate Haney, Project Manager

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**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244  
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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 6A10032: Prepared 12/29/05 Using TOC Preparation**

**LCS (6A10032-BS1)**

Total Organic Carbon - Average	33500	500	mg/kg	29900		112	70-130			
Total Organic Carbon - High	34100	500	"	29900		114	70-130			
Total Organic Carbon - Low	32800	500	"	29900		110	70-130			

**LCS Dup (6A10032-BSD1)**

Total Organic Carbon - Average	34000	500	mg/kg	29900		114	70-130	1.48	30	
Total Organic Carbon - High	34700	500	"	29900		116	70-130	1.74	30	
Total Organic Carbon - Low	33300	500	"	29900		111	70-130	1.51	30	

**Duplicate (6A10032-DUP1)**

**Source: B5L0547-62**

Total Organic Carbon - Average	3680	725	mg/kg dry		3870			5.03	200	
Total Organic Carbon - High	3970	725	"		4250			6.81	200	
Total Organic Carbon - Low	3390	725	"		3370			0.592	200	

**Matrix Spike (6A10032-MS1)**

**Source: B5L0547-62**

Total Organic Carbon - Average	5230	725	mg/kg dry	1990	3870	68.3	70-130			Q-01
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North Creek Analytical - Bothell

Kate Haney, Project Manager

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The RETEC Group, Inc.  
1011 SW Klickitat Way, Suite 207  
Seattle, WA 98134

Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**North Creek Analytical - Bothell**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 5L27043: Prepared 12/27/05 Using Dry Weight</b>									
<b>Blank (5L27043-BLK1)</b>									
Dry Weight	99.8	1.00	%						
<b>Batch 5L27044: Prepared 12/27/05 Using Dry Weight</b>									
<b>Blank (5L27044-BLK1)</b>									
Dry Weight	100	1.00	%						
<b>Batch 5L27045: Prepared 12/27/05 Using Dry Weight</b>									
<b>Blank (5L27045-BLK1)</b>									
Dry Weight	100	1.00	%						
<b>Batch 5L27046: Prepared 12/27/05 Using Dry Weight</b>									
<b>Blank (5L27046-BLK1)</b>									
Dry Weight	100	1.00	%						
<b>Batch 5L27047: Prepared 12/27/05 Using Dry Weight</b>									
<b>Blank (5L27047-BLK1)</b>									
Dry Weight	100	1.00	%						
<b>Batch 5L30045: Prepared 12/30/05 Using Dry Weight</b>									
<b>Blank (5L30045-BLK1)</b>									
Dry Weight	100	1.00	%						

North Creek Analytical - Bothell

Kate Haney, Project Manager

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Project: BNSF-Skykomish  
Project Number: BN050-16423-522  
Project Manager: Stephen Howard

**Reported:**  
01/10/06 17:50

### Notes and Definitions

D-06 The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

D-09 Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

D-15 Hydrocarbon pattern most closely resembles a heavy fuel oil product.

D-15a Hydrocarbon pattern most closely resembles a heavy fuel oil. product.

Q-01 The spike recovery for this QC sample is outside of established control limits. Review of associated batch QC indicates the recovery for this analyte does not represent an out-of-control condition for the batch.

Q-05 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit.

Q-06 Analyses are not controlled on RPD values from sample concentrations less than 5 times the reporting limit.

S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interferences.

X See case narrative.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

North Creek Analytical - Bothell

Kate Haney, Project Manager

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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

# CHAIN OF CUSTODY REPORT

Work Order #: **B5L0547**

NCA CLIENT: <b>BNSF</b>		INVOICE TO: <b>BRUCE SHEPPARD</b>		<b>TURNAROUND REQUEST</b> In Business Days * Organic & Inorganic Analyses 1 2 3 4 5 6 7 8 9 10 Petroleum Hydrocarbon Analyses 1 2 3 4 5 6 7 8 9 10 OTHER Specify: * Turnaround Request may differ based on your Bulk Order.						
REPORT TO: <b>STEPHEN HOWARD</b>		TITLE <b>BNSF RAILWAY COMPANY, INC.</b>								
ADDRESS: <b>THE RETEC GROUP, INC - SEATTLE</b>		P.O. NUMBER: <b>TTD100-F07</b>								
PHONE: <b>206 624-9349 FAX: 206 624-2839</b>		PROJECT NAME: <b>SKYHOMUSH</b>		PRESERVATIVE						
PROJECT NUMBER: <b>BN05D-16423-522</b>		SAMPLING DATE/TIME		REQUESTED ANALYSES						
SAMPLER BY: <b>VLADO ARSON</b>		NWTP4-Dx		FOL						
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTP4-Dx	FOL				MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 LEV8A - 10'	DEC 19, 2005 / 16:30	X	X				S	1		-01
2 LEV8A - 15'		X					S	1		-02
3 LEV8A - 17.5'		X					S	1		-03
4 LEV8A - 20'		X					S	1		-04
5 LEV8A - 25'		X					S	1		-05
6 LEV8A - 30'		X					S	1		-06
7 LEV8A - 32.5'		X					S	1		-07
8 LEV8A - 35'		X	X				S	2		-08
9 LEV8B - 10'	12/20/05 11:30	X	X				S	1		-09
10 LEV8B - 15'	-11-	X					S	1		-10
RELEASED BY: <b>Vlado Arson</b>		DATE: <b>12/22/05</b>		RECEIVED BY: <b>FRANK TONG</b>		DATE: <b>12/22/05</b>				
PRINT NAME: <b>Vlado ARSON</b>		FIRM: <b>RETEC</b>		PRINT NAME: <b>FRANK TONG</b>		FIRM: <b>NCA</b>				
RELEASED BY:		DATE:		RECEIVED BY:		DATE:				
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:				
TIME:		TIME:		TIME:		TIME:				
ADDITIONAL REMARKS: <b>TOL METHOD 9060 - NORMAL T.A.T.</b>		NWTP4-Dx		RUS4(3 DAY)		TEMP: <b>3.5</b>				
COC REV 09/04						PAGE OF <b>1</b>				

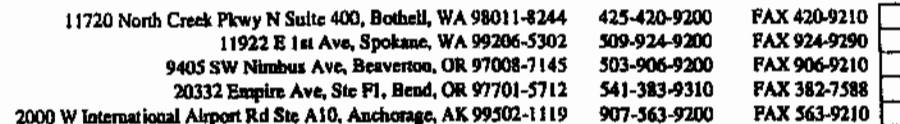


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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

# CHAIN OF CUSTODY REPORT

Work Order #: **B5L0547**

NCA CLIENT: <b>BNSF</b>		INVOICE TO: <b>BRUCE SHEPPARD</b>		<b>TURNAROUND REQUEST</b> In Business Days * Organic & Inorganic Analyses 10 7 9 4 3 2 1 <1 Petroleum Hydrocarbon Analyses 8 4 2 1 <1 OTHER Specify: * Expedited Reports may also include up to 1000 PPH Charges.						
REPORT TO: <b>Stephen Howard</b>		THE <b>BNSF</b> Railway Company Inc.								
ADDRESS: <b>The Reteec Group Inc. - Seattle, WA</b>		P.O. NUMBER: <b>TT0100-E07</b>								
PHONE: <b>206-624-9348</b> FAX: <b>206-624-2839</b>		PROJECT NAME: <b>SKYKOMISH</b>								
PROJECT NUMBER: <b>BN050-16423-522</b>		PRESERVATIVE								
SAMPLED BY: <b>Vlado Arsov</b>		REQUESTED ANALYSES								
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH	DX	TOC			MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 LEVBB-17.5'	12/20/05 11:30	X					S	1		-11
2 LEVBB-20'		X					S	1		-12
3 LEVBB-22.5'		X					S	1		-13
4 LEVBB-25'		X					S	1		-14
5 LEVBB-27.5'		X					S	1		-15
6 LEVBB-30'		X					S	1		-16
7 LEVBB-32.5'		X					S	1		-17
8 LEVBB-35'		X	X				S	2		-18
9 LEV7A-10'	12/20/05 16:00	X	X				S	1		-19
10 LEV7A-15'	-11-	X					S	1		-20
RELEASED BY: <b>Vlado Arsov</b>		DATE: <b>12/22/05</b>		RECEIVED BY: <b>[Signature]</b>		DATE: <b>12/22/05</b>				
PRINT NAME: <b>Vlado Arsov</b>		FIRM: <b>RETEC</b>		PRINT NAME: <b>PATRY TONY</b>		FIRM: <b>NCA</b>				
TIME: <b>16:55</b>				TIME: <b>16:58</b>						
RELEASED BY:		DATE:		RECEIVED BY:		DATE:				
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:				
TIME:				TIME:						
ADDITIONAL REMARKS: <b>TOC METHOD 9060 - NORMAL TAT</b>								TEMP: <b>75</b>		
<b>NWTPH-DX RUSH (3 day)</b>								<b>2</b>		
COC REV 09/04								PAGE OF		



Work Order #: B5L0547

NCA CLIENT: <b>BNSF</b>		INVOICE TO: <b>BRUCE SHEPPARD</b>		TURNAROUND REQUEST			
REPORT TO: <b>STEPHEN HOWARD</b>		THE <b>BNSF RAILWAY COMPANY</b>		In Business Days *			
ADDRESS: <b>THE RETEC GROUP, INC - Seattle</b>		P.O. NUMBER: <b>TT0100 - F07</b>		Organic & Inorganic Analyses			
PHONE: <b>206 - 624-9344</b> FAX: <b>206 - 624-2839</b>				Petroleum Hydrocarbon Analyses			
PROJECT NAME: <b>SKYKOMISH</b>		PRESERVATIVE		OTHER Specify:			
PROJECT NUMBER: <b>BN050-16423-522</b>		REQUESTED ANALYSES		* Turnaround Request by that student may have that change.			
SAMPLED BY: <b>VLADO ARSOV</b>							
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-DX	TOC	MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 LEV 7A - 17.5'	12/20/05 16:00	X		S	1		21
2 LEV 7A - 20'	↓	X		S	1		22
3 LEV 7A - 22.5'		X		S	1		23
4 LEV 7A - 25'		X		S	1		24
5 LEV 7A - 27.5'		X		S	1		25
6 LEV 7A - 30'		X		S	1		26
7 LEV 7A - 32.5'		X		S	1		27
8 LEV 7A - 35'		X	X	S	2		28
9 LEV 6A - 10'	12/21/05 10:30	X		S			29
10 LEV 6A - 15'		X		S			30
RELEASED BY: <b>Vlado Arsov</b>		DATE: <b>12/22/05</b>		RECEIVED BY: <b>PRANLY TONG</b>		DATE: <b>12/22/05</b>	
PRINT NAME: <b>VLADO ARSOV</b>		FIRM: <b>RETEC</b>		PRINT NAME: <b>PRANLY TONG</b>		FIRM: <b>NCA</b>	
RELEASED BY:		DATE:		RECEIVED BY:		DATE:	
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:	
TIME:		TIME:		TIME:		TIME:	
ADDITIONAL REMARKS: <b>TOC METHOD 9060 - NORMAL TAT</b>							
<b>NWTPH - DX RUSH (3 DAY)</b>							
<b>(X) Analysis per S. Howard 12/27/05 (Kw)</b>							
COC REV 09/04							



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2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

# CHAIN OF CUSTODY REPORT

Work Order #: **B5L0547**

NCA CLIENT: <b>BNSF</b>		INVOICE TO: <b>BRUCE SHEPPARD</b>		<b>TURNAROUND REQUEST</b> In Business Days * Organic & Inorganic Analyses Petroleum Hydrocarbon Analyses OTHER Specify: * Turnaround Request by this standard may incur back charges.					
REPORT TO: <b>STEPHEN HOWARD</b>		THE <b>BNSF RAILWAY COMPANY</b>							
ADDRESS: <b>THE RETEC GROUP, INC - Seattle</b>		INC							
PHONE: <b>206-624-9344</b> FAX: <b>206-624-2839</b>		P.O. NUMBER: <b>TT0100-F07</b>							
PROJECT NAME: <b>SKY KOMISH</b>		PRESERVATIVE							
PROJECT NUMBER: <b>BN050-16423-522</b>		REQUESTED ANALYSES							
SAMPLED BY: <b>VLADO ARSOV</b>									
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-DX	TOC			MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 LEV 7A - 17.5'	12/20/05 16:00	X				S	1		21
2 LEV 7A - 20'		X				S	1		22
3 LEV 7A - 22.5'		X				S	1		23
4 LEV 7A - 25'		X				S	1		24
5 LEV 7A - 27.5'		X				S	1		25
6 LEV 7A - 30'		X				S	1		26
7 LEV 7A - 32.5'		X				S	1		27
8 LEV 7A - 35'		X	X			S	2		28
9 LEV 6A - 10'	12/21/05 10:30					S			29
10 LEV 6A - 15'						S			30
RELEASED BY: <b>Vlado Arsov</b>		DATE: <b>12/22/05</b>		RECEIVED BY: <b>PRAMY TONG</b>		DATE: <b>12/22/05</b>			
PRINT NAME: <b>VLADO ARSOV</b>		FIRM: <b>RETEC</b>		TIME: <b>1655</b>		PRINT NAME: <b>PRAMY TONG</b>		FIRM: <b>NCA</b> TIME: <b>1655</b>	
RELEASED BY:		DATE:		RECEIVED BY:		DATE:			
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:			
TIME:		TIME:		TIME:		TIME:			
ADDITIONAL REMARKS: <b>TOC METHOD 9060 - NORMAL TAT</b>								TEMP: <b>3</b>	
COC REV 09/04 <b>NWTPH - DX RUSH (3 DAY)</b>								PAGE OF	



11720 North Creek Pkwy N Suite 400, Bothell, WA 98011-8244 425-420-9200 FAX 420-9210  
11922 E 1st Ave, Spokane, WA 99206-5302 509-924-9200 FAX 924-9290  
9405 SW Nimbus Ave, Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210  
20332 Empire Ave, Ste F1, Bend, OR 97701-5712 541-383-9310 FAX 382-7588  
2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

# CHAIN OF CUSTODY REPORT

Work Order #: **B52-0547**

NCA CLIENT: <b>BNSF</b>		INVOICE TO: <b>BRUCE SHEPPARD</b>		<b>TURNAROUND REQUEST</b> In Business Days * Organic & Inorganic Analyses N 7 8 4 3 2 1 <1 Petroleum Hydrocarbon Analyses 4 4 2 2 1 <1 OTHER Specify: *Turnaround Request may vary based on test charges					
REPORT TO: <b>STEPHEN HOWARD</b>		THE BNSF RAILWAY COMPANY INC.							
ADDRESS: <b>THE RETEC Group, Inc. Seattle</b>		P.O. NUMBER: <b>TTO100-F07</b>							
PHONE: <b>206-624-9349</b> FAX: <b>206-624-2854</b>		PROJECT NAME: <b>SLYER RISH</b>							
PROJECT NUMBER: <b>BN050-16423-522</b>		PRESERVATIVE							
SAMPLED BY: <b>Vlado Arsov</b>		REQUESTED ANALYSES							
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH	DX	TOC		MATRIX (W, S, O)	# OF CONT.	LOCATION / COMMENTS	NCA WO ID
1 LEV6A-17.5'	12/21/05 10:30	X				S	1		-31
2 LEV6A-20'		X					1		-32
3 LEV6A-22.5'		X					1		-33
4 LEV6A-25'		X					1		-34
5 LEV6A-27.5'		X					1		-35
6 LEV6A-30'		X					1		-36
7 LEV6A-32.5'		X					1		-37
8 LEV6A-35'		X					1		-38
9 LEV6A-37.5'		X					1		-39
10 LEV6A-40'		X	X				2		-40
RELEASED BY: <b>Vlado Arsov</b>		DATE: <b>12/22/05</b>		RECEIVED BY: <b>PRANY TONG</b>		DATE: <b>12/22/05</b>			
PRINT NAME: <b>Vlado Arsov</b>		FIRM: <b>RETEC</b>		TIME: <b>1655</b>		PRINT NAME: <b>PRANY TONG</b>		FIRM: <b>NCA</b> TIME: <b>1655</b>	
RELEASED BY:		DATE:		RECEIVED BY:		DATE:			
PRINT NAME:		FIRM:		PRINT NAME:		FIRM:			
TIME:		TIME:		TIME:		TIME:			
ADDITIONAL REMARKS: <b>TOC METHOD 9060 - NORMAL YAT</b>						TEMP: <b>9.5</b>		<b>4</b>	
COC REV 09/04 <b>NWTPH-DX RUSH (3 DAY)</b>								PAGE OF	

# Chain of Custody Record

Nº 101321

The RETEC Group, Inc.

1011 S.W. Klickitat Way, Suite 207 • Seattle, WA 98134-1162

(206) 624-9349 Phone • (206) 624-2839 Fax

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B5L0547 

Project Name: <b>BNSF</b>		Project Number: <b>BNO50-16423-522</b>		Analysis Requested <b>UNTPH - DX TOC</b>		Page <b>5</b> of <b>5</b>  TOC METHOD 9060 - normal NWTPH - DX RUSH (3 day) Purchase Order #: <b>TT0100-F07</b>	
Send Report To: <b>STEPHEN HOWARD</b>		Sampler (Print Name): <b>VLADO ARSOV</b>					
Address: <b>THE RETEC GROUP Seattle, WA</b>		Sampler (Print Name):					
Phone: <b>206-624-9340</b>		Shipment Method:					
Fax: <b>206-624-2839</b>		Airbill Number:					
Laboratory Receiving:							
Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Comments, Special Instructions, etc.		Lab Sample ID (to be completed by lab)
LEV6A - 42.5'	12/21/05	10:30	3	1	X		B5L0547-41
LEV6A - 45'		10:30		1	X		-42
LEV5C - 10'		14:30		1	XX		-43
LEV5C - 15'				1	X		-44
LEV5C - 17.5'				1	X		-45
LEV5C - 20'				1	X		-46
LEV5C - 22.5'				1	X		-47
LEV5C - 25'				1	X		-48
LEV5C - 27.5'				1	X		-49
LEV5C - 30'				1	X		-50
LEV5C - 32.5'				1	X		-51
LEV5C - 35'				1	X		-52
LEV4A - 10'	12/22/05	10:15		1	XX		-53
LEV4A - 15'				1	X		-54
LEV4A - 17.5'				1	X		-55
LEV4A - 20'				1	X		-56
LEV4A - 22.5'				1	X		-57
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Date: <b>12/22/05</b>	Time: <b>1655</b>	Sample Custodian Remarks (Completed By Laboratory):	
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:	Sample Receipt	
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:	Total # Containers Received?	
						COC Seals Present?	
						COC Seals Intact?	
						Received Containers Intact?	
						Temperature?	

White: Lab Copy

Yellow: PM Copy

Pink: Field Copy

Gold: PM/QA/QC Copy

# Chain of Custody Record

Nº 101323

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(206) 624-9349 Phone • (206) 624-2839 Fax  
www.retec.com



Project Name: <b>BNSF</b>		Project Number: <b>BNO50-16423-522</b>		Analysis Requested <b>NWTPH-DX TOC</b>		Page <b>6</b> of <b>6</b>																									
Send Report To: <b>STEPHEN HOWARD</b>		Sampler (Print Name): <b>VLADO ARSOV</b>				<b>TOC METHOD 9060 - Normal</b> <b>NWTPH-DX RUSLW (3 day)</b> Purchase Order #: <b>TT0100-F07</b>																									
Address: <b>THE RETEC GROUP SEATTLE, WA</b>		Sampler (Print Name):																													
Phone: <b>206-624-9349</b>		Shipment Method:																													
Fax: <b>206-624-2839</b>		Airbill Number:																													
Laboratory Receiving:																															
Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Comments, Special Instructions, etc.		Lab Sample ID (to be completed by lab)																								
LEV4A - 25'	12/22/05	10:15	S	1	X		B5L0547-58																								
LEV4A - 27.5'				1	X		-59																								
LEV4A - 30'				1	X		-60																								
LEV4A - 32.5'				1	X		-61																								
LEV4A - 35'				2	X X		-62																								
LEV2A - 10'		13:15		1	X X		-63																								
LEV2A - 15'				1	X		-64																								
LEV2A - 17.5'				1	X		-65																								
LEV2A - 20'				1	X		-66																								
LEV2A - 22.5'				1	X		-67																								
LEV2A - 25'				1	X		-68																								
LEV2A - 27.5'				1	X	(UA)	-69 (UA)																								
LEV2A - 30'				1	X		-70																								
LEV2A - 32.5'				1	X		-71																								
LEV2A - 35'				2	X X		-72																								
LEV2A - 37.5'				1	X		-73																								
LEV2A - 40'				1	X		-74																								
Relinquished by: (Signature) <b>[Signature]</b>		Received by: (Signature) <b>[Signature]</b>		Date: <b>12/22/05</b>	Time: <b>16:53</b>	Sample Custodian Remarks (Completed By Laboratory):																									
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:	<table border="1"> <tr> <th>QA/QC Level</th> <th>Turnaround</th> <th colspan="2">Sample Receipt</th> </tr> <tr> <td>Level I <input type="checkbox"/></td> <td>Routine <input type="checkbox"/></td> <td colspan="2">Total # Containers Received?</td> </tr> <tr> <td>Level II <input type="checkbox"/></td> <td>24 Hour <input type="checkbox"/></td> <td colspan="2">COC Seals Present?</td> </tr> <tr> <td>Level III <input type="checkbox"/></td> <td>1 Week <input type="checkbox"/></td> <td colspan="2">COC Seals Intact?</td> </tr> <tr> <td>Other <input type="checkbox"/></td> <td>Other _____</td> <td colspan="2">Received Containers Intact?</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">Temperature?</td> </tr> </table>		QA/QC Level	Turnaround	Sample Receipt		Level I <input type="checkbox"/>	Routine <input type="checkbox"/>	Total # Containers Received?		Level II <input type="checkbox"/>	24 Hour <input type="checkbox"/>	COC Seals Present?		Level III <input type="checkbox"/>	1 Week <input type="checkbox"/>	COC Seals Intact?		Other <input type="checkbox"/>	Other _____	Received Containers Intact?				Temperature?	
QA/QC Level	Turnaround	Sample Receipt																													
Level I <input type="checkbox"/>	Routine <input type="checkbox"/>	Total # Containers Received?																													
Level II <input type="checkbox"/>	24 Hour <input type="checkbox"/>	COC Seals Present?																													
Level III <input type="checkbox"/>	1 Week <input type="checkbox"/>	COC Seals Intact?																													
Other <input type="checkbox"/>	Other _____	Received Containers Intact?																													
		Temperature?																													
Relinquished by: (Signature)		Received by: (Signature)		Date:	Time:																										

White: Lab Copy

Yellow: PM Copy

Pink: Field Copy

Gold: PM/QA/QC Copy



# Revised Chain of Custody

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 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

## CHAIN OF CUSTODY REPORT

Work Order #: **050547**

NCA CLIENT: <b>BNSF</b>		INVOICE TO: <b>Bruce Sheppard</b>		<b>TURNAROUND REQUEST</b> In Business Days * Organic & Inorganic Analyses W 7 5 4 3 2 1 <1 Petroleum Hydrocarbon Analyses 6 4 3 2 1 <1 OTHER Specify: <small>* Turnaround depends on test method, day hour and charges.</small>	
REPORT TO: <b>STEPHEN HOWARD</b>		The BNSF Railway Company, Inc.			
ADDRESS: <b>The KETEK group, Inc - Seattle</b>		P.O. NUMBER: <b>TTA100-F07</b>			
PHONE: <b>(206) 624-9999</b> FAX: <b>(206) 624-2839</b>		PRESERVATIVE			
PROJECT NAME: <b>SKY KORUSH</b>		PROJECT NUMBER: <b>BNO50-16423-522</b>		REQUESTED ANALYSES	
SAMPLED BY: <b>VLAAD ARSON</b>					
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME				
1 LEV8A-17.5' Dup	12/19/05 1630	(X)			S -74
2 LEV8B-20' Dup	12/20/05 1130	(X)			S -75
3 LEV7A-20' Dup	12/20/05 1600	(X)			S -76
4 LEV6A-20' Dup	12/21/05 1030	(X)			S -77
5 LEV5C-22.5' Dup	12/21/05 1430	(X)			S -78
6 LEV4A-15' Dup	12/22/05 1015	(X)			S -79
7 LEV2A-22.5' Dup	12/22/05 1315	(X)			S -80
8					
9					
10					
RELEASED BY:		DATE:		RECEIVED BY:	
PRINT NAME:		FIRM:		PRINT NAME:	
RELEASED BY:		DATE:		RECEIVED BY:	
PRINT NAME:		FIRM:		PRINT NAME:	
ADDITIONAL REMARKS:					
(X) analysis + samples added as duplicates 12/28/05 12/29/05 by S. Howard. Ku on Standard TAT.					
COC REV 09/04					TEMP: 3.5
					PAGE 7 OF 7



**Kate Haney**

*B5L0547*

**From:** Steve Howard [showard@retec.com]  
**Sent:** Thursday, December 29, 2005 10:03 AM  
**To:** Kate Haney  
**Cc:** Halah Voges  
**Subject:** BNSF Skykomish - Duplicate Samples

Hi Kate,

As discussed, we would like duplicate samples run for NWTPH-Dx from a subset of the soil samples we delivered to you on December 22. These samples can be run with standard turnaround time, rather than the 3-day rush for the original samples.

Please analyze duplicates from the following seven samples:

LEV8A-17.5' Dup	B5L0547-74
LEV8B-20' Dup	B5L0547-75
LEV7A-20' Dup	B5L0547-76
LEV6A-20' Dup	B5L0547-77
LEV5C-22.5' Dup	B5L0547-78
LEV4A-15' Dup	B5L0547-79
LEV2A-22.5' Dup	B5L0547-80

In addition, we will be sending you approximately 20 additional samples (including dups) for NWTPH-Dx analysis on Wednesday January 4. We will also like to have these analyzed on a 3-day rush basis.

Thanks

Stephen Howard  
 The RETEC Group, Inc.  
 1011 S.W. Klickitat Way, Suite 207  
 Seattle, WA. 98134-1162  
 (206) 624-9349  
 (206) 890-7481 (cell)

Confidentiality Notice: The contents of this message are confidential and may be protected by the attorney-client privilege, work product doctrine or other applicable protection. If you received this message in error, please notify the sender immediately and promptly delete this message and destroy all copies. Thank you.

12/29/2005